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Report of small arms target practice

United States.
Navy Dept

ANNUAL REPORT
OF
SMALL ARMS
TARGET PRACTICE

1911



WASHINGTON
GOVERNMENT PRINTING OFFICE .
1912

NAVY DEPARTMENT,
Washington, February 2, 1912.

The Report of Target Practice with Small Arms, 3-inch Field-pieces, and Boat Guns is hereby issued to the naval service for its information.

PHILIP ANDREWS,
Acting Secretary of the Navy.

COMMENTS OF THE DEPARTMENT.

This report is compiled from the various separate reports that have been received from time to time during 1911.

The method of computing final merit for each practice except that of the "Standing of Vessels, Individual Range Firing," is the same as employed last year. The final merit for the "Standing of Vessels, Individual Range Firing," was computed in accordance with the correction to pages 293-352 of "The Landing Force and Small-Arms Instructions."

A comparison of the scores of 1908, 1909, 1910, and 1911 practices shows a marked improvement in small-arms practices of the fleets, although the time devoted to the recent practices was less than heretofore.

SUMMARY OF PRACTICES.

Year.	Experts.	Sharpshooters.	Marksmen.	First-class men.	Second - class men.	Third - class men.	Fourth - class men.	No. of vessels reported.
1911.....	235	129	1,906	2,298	2,966	2,344	1,475	39
1910.....	109	462	1,815	2,024	2,754	2,187	1,367	46
June 30, 1908, to Dec. 31, 1909.....	180	251	586	1,057	1,913	1,879	1,377	.....

The increase in the number of men who fired is due to better range facilities on the Guantanamo range and to the large number of experienced rifle and pistol shots now in the service in all fleets.

In addition to the practices reported herein the expeditionary force of marines of the battleship divisions of the Atlantic Fleet continued practice on the Guantanamo range while encamped on Deer Point after the departure of the battleships.

The 3-inch field-gun practices of the Atlantic Fleet could not be held for all ships because of the lack of ammunition for the Mark II guns.

The time available was insufficient for the Atlantic Fleet to hold the "Collective firing" and the practice of "Armed boat crews."

The trophies for excellence in small-arms firing for the year ending December 31, 1911, are awarded as follows:

Fleet.	Vessel.	Final merit.
Atlantic.....	Albany.....	52.90
Pacific.....	Pennsylvania.....	52.45
Atlantic.....	Yankton.....	39.28

Upon receipt of this report, vessels holding the trophies will transfer them to the vessels designated in the preceding table. The transfer and receipts of trophies will be reported to the department by the vessels concerned.

ANNUAL REPORT OF TARGET PRACTICE WITH SMALL ARMS,
FIELDPIECES, AND BOAT GUNS, 1911.

INDIVIDUAL RANGE FIRING.

STANDING OF VESSELS.

Standing.	Vessel.	Experts: Value, 100.	Sharpshooters: Value, 80.	Marksmen: Value, 60.	First-class men: Value, 40.	Second-class men: Value, 30.	Third-class men: Value, 20.	Fourth-class men: Value, 10.	Total value.	Number re- quired to fire.	Number who completed prescribed course or fired on range.	Final merit.
1	Albany.....	1	10	121	56	31	6	3	11,480	210	217	52.90
2	Pennsylvania.....	74	3	106	60	62	34	15	19,090	364	351	52.45
3	Yankton.....	.....	.....	18	15	10	11	.....	2,200	56	56	39.28
4	New Hampshire.....	17	7	193	64	98	77	63	21,510	576	552	37.34
5	Mississippi.....	9	6	131	78	93	82	43	17,220	465	465	37.03
6	Petrel.....	.....	.....	10	27	26	13	2	2,940	80	77	36.75
7	Nebraska.....	4	12	126	143	124	60	27	19,830	545	542	36.39
8	Colorado.....	19	20	46	99	112	87	35	15,670	460	444	34.07
9	North Dakota.....	6	9	66	109	127	105	38	16,530	494	477	33.46
10	Dolphin.....	8	.....	31	18	17	7	.....	2,670	82	80	32.56
11	Kansas.....	20	2	135	77	101	66	47	18,160	561	448	32.37
12	Idaho.....	1	10	138	87	48	50	29	15,390	482	412	31.93
13	Virginia.....	9	11	72	116	106	99	58	16,480	517	505	31.87
14	Washington.....	15	2	48	106	148	103	43	15,610	505	506	30.84
15	Montana.....	.....	10	73	90	131	94	57	15,160	503	489	30.14
16	Connecticut.....	.....	13	79	122	136	121	85	18,010	609	598	29.57
17	New Orleans.....	.....	.....	15	48	62	38	14	5,580	195	182	28.62
18	Chester.....	.....	.....	22	31	38	27	29	4,490	142	163	27.55
19	North Carolina.....	.....	.....	48	94	158	125	75	14,630	530	532	27.50
20	Rhode Island.....	.....	.....	48	127	147	66	38	14,070	520	452	27.06
21	Vermont.....	11	1	55	69	123	99	56	13,470	503	451	26.78
22	Des Moines.....	.....	.....	12	34	57	38	19	4,740	175	179	26.48
23	Georgia.....	14	3	41	72	132	112	97	14,150	539	511	26.25
24	Wilmington.....	.....	4	8	19	40	36	18	3,660	141	140	26.14
25	Vicksburg.....	.....	.....	2	6	34	28	4	1,980	81	74	24.44
26	Wheeling.....	.....	.....	9	17	19	24	18	2,450	101	102	24.02
27	Birmingham.....	3	3	25	15	29	50	37	4,880	164	204	23.92
28	South Dakota.....	.....	.....	17	72	118	85	63	9,770	409	384	23.89
29	Louisiana.....	11	.....	41	75	100	139	117	13,510	601	575	22.48
30	Tennessee.....	.....	.....	69	61	86	71	47	11,050	497	372	22.23
31	Minnesota.....	14	2	93	84	55	42	15	13,140	611	306	21.50
32	Samar.....	.....	.....	2	1	9	7	7	640	30	26	21.33
33	Prairie.....	.....	.....	1	12	22	16	21	1,730	83	83	20.84
34	Roe.....	.....	.....	1	4	12	10	11	890	43	38	20.70
35	California.....	.....	.....	7	44	139	99	51	8,840	450	356	19.64
36	Dixie.....	.....	.....	.....	7	22	30	49	2,030	108	105	18.80
37	Michigan.....	7	1	5	47	81	75	55	7,440	413	287	18.01
38	Saratoga.....	.....	.....	15	22	52	69	61	5,330	320	276	16.66
39	Maryland.....	.....	.....	.....	57	60	33	21	4,950	300	232	16.50

SUMMARY.

Stations.	Number of men required to fire.	Number of men who completed prescribed course or fired on range.	Percentage of men who completed course to those re- quired to fire.
Atlantic.....	701	659	94.01
Pacific.....	10,505	9,567	91.07
.....	2,259	1,915	84.77

SMALL ARMS TARGET PRACTICE.

REPORT OF PRIZES AWARDED.

Vessel.	Number who completed the course.	Sum entitled to issue in prizes.	Sum scores of the crew entitled them to draw.	Percentage of what crew actually received to what might have been received.
Albany.....	217	171	171	100.00
Birmingham.....	198	152	152	100.00
Chester.....	163	133	133	100.00
Colorado.....	444	342	342	100.00
Connecticut.....	598	456	456	100.00
Dolphin.....	80	57	57	100.00
Georgia.....	511	380	380	100.00
Idaho.....	390	304	304	100.00
Kansas.....	448	342	342	100.00
Louisiana.....	557	418	418	100.00
Maryland.....	232	171	171	100.00
Minnesota.....	296	228	228	100.00
Mississippi.....	439	342	342	100.00
Nebraska.....	532	399	399	100.00
North Dakota.....	477	361	361	100.00
Pennsylvania.....	351	266	266	100.00
South Dakota.....	384	285	285	100.00
Tennessee.....	372	285	285	100.00
Virginia.....	503	380	380	100.00
Washington.....	489	380	380	100.00
Wilmington.....	134	95	95	100.00
Rhode Island.....	452	342	334	97.66
Vermont.....	451	342	327	95.61
New Hampshire.....	552	418	399	95.45
Montana.....	466	361	321	88.91
Petrel.....	77	57	47	82.46
Michigan.....	281	209	169	80.88
North Carolina.....	375	361	288	79.78
Des Moines.....	164	133	103	77.44
Wheeling.....	88	76	56	73.68
Vicksburg.....	74	57	37	64.91
New Orleans.....	178	152	93	61.18
California.....	336	247	137	55.47
Prairie.....	83	57	27	47.38
Dixie.....	105	76	36	47.37
Yankton.....	52	38	18	47.37
Roe.....	41	38	18	47.36

LIST OF OFFICERS AND ENLISTED MEN WHO QUALIFIED AS SHARPSHOOTERS OR EXPERT RIFLEMEN.

Name.	Rank or rate.	Vessel or station.	Sharpshooter's course.	Marksmen's course.	Aggregate.	800 yards.	1,000 yards.	Aggregate.	Medal, date plate, expert rifleman's bar, or expert's pistol shot.
Knerr, H. J.....	Ens.	Navy rifle team...	700	473	1,173	50	50	100	Date plate and bar.
Williamson, E. D.....	C. Y.	do.....	688	477	1,165	49	49	98	Do.
Haines, C. E.....	C. C. M.	do.....	692	473	1,165	48	47	95	Do.
Swain, R. S.....	Sea.	New Hampshire...	692	472	1,164	47	47	94	Do.
Swain, R. M.....	Sea.	do.....	699	465	1,164	48	41	89	Do.
Sprout, W. A.....	H. Std.	Navy rifle team...	686	475	1,161	47	48	95	Do.
Krukmeier, H.....	Sea.	New Hampshire...	705	456	1,161	47	46	93	Do.
Giffen, R. C.....	Ens.	Navy rifle team...	684	475	1,159	50	49	99	Do.
Smith, Walter.....	Ens.	do.....	665	492	1,157	49	50	99	Do.
Myrick, E. D.....	C. T. C.	Connecticut.....	691	466	1,157	...	...	...	Date plate.
Lovercheck, C. L.....	T. C. 1c.	New Hampshire...	682	473	1,155	47	48	95	Date plate and bar.
Culberston, W. L.....	Lieut.	Navy rifle team...	678	475	1,153	47	48	95	Date plate and expert bar.
Moncrief, J. C.....	Seaman.	Minnesota.....	683	470	1,153	45	42	87	Medal and bar.
Mulvihill, D. F.....	T. C. 1c.	New Hampshire..	685	464	1,149	48	41	89	Date plate and bar.
King, J. F.....	C. G. M.	Navy rifle team...	664	478	1,142	47	47	94	Do.
Mielke, F. W. K.....	B. M. 1c.	Minnesota.....	675	457	1,132	46	42	88	Medal and bar.

LIST OF OFFICERS AND ENLISTED MEN WHO QUALIFIED AS SHARPSHOOTERS OR EXPERT RIFLEMEN—Continued.

Name.	Rank or rate.	Vessel or station.	Sharpshooter's course.	Marksmen's course.	Aggregate.	800 yards.	1,000 yards.	Aggregate.	Medal, date plate, expert rifleman's bar, or expert's pistol shot.
Haines, P. B.....	Mid.	Georgia.....	660	471	1,131	49	44	93	Date plate and bar.
James, J.....	Ens.	Navy rifle team...	657	472	1,129	50	48	98	Do.
Painter, H. M.....	Sea.	New Hampshire...	665	461	1,126	49	43	92	Do.
Smith, W. W.....	Ens.	Navy rifle team...	646	478	1,124	46	49	95	Do.
Gilbert, F. L.....	Sea.	New Hampshire...	664	459	1,123	48	40	88	Do.
Lacy, W. H.....	G. M. 2c.	Connecticut.....	681	441	1,122	.....	.....	.....	Date plate.
Murphy, T.....	Pvt.	New Hampshire...	661	455	1,116	46	41	87	Date plate and bar.
Bradley, F.....	Mid.	Michigan.....	653	463	1,116	45	40	85	Date plate, bar, and pistol shot bar.
Smith, G. C.....	Gun.	Pennsylvania.....	657	457	1,114	48	44	92	Medal and bar.
Parady, J. P.....	O. S.	New Hampshire..	654	457	1,111	47	43	90	Date plate and bar.
Harold, J.....	C. Q. M.	Navy rifle team...	653	451	1,104	49	47	96	Do.
Farley, L. C.....	Lieut.	.....do.....	633	471	1,104	48	46	94	Do.
Klapproth, W. H.....	B. M. 1c.	Virginia.....	667	435	1,102	46	40	86	Medal and bar.
Beers, H.....	C. M. 2c.	Kansas.....	636	465	1,101	47	45	92	Date plate and bar.
Tange, W.....	G. M. 3c.	Minnesota.....	653	446	1,099	46	42	88	Medal and bar.
Gibson, W. N.....	C. M. A. A.	Kansas.....	643	455	1,098	48	40	88	Do.
Habeck, F. G.....	G. M. 3c.	New Hampshire..	642	456	1,098	48	40	88	Do.
Risacher, J. H.....	Sea.	.....do.....	638	457	1,095	46	40	86	Date plate and bar.
Ingham, S.....	C. B. M.	Navy rifle team...	608	482	1,090	49	48	97	Do.
Barnhardt, E.....	G. M. 1c.	New Hampshire..	635	455	1,090	48	46	94	Do.
Hull, H.....	O. S.	Rhode Island.....	658	429	1,087	45	45	90	Medal and bar.
Trent, R.....	B. M. 1c.	Georgia.....	646	441	1,087	.....	.....	.....	Medal.
Taylor, A. J.....	G. M. 3c.	Nebraska.....	662	424	1,086	.....	.....	.....	Medal.
Edwards, S. C.....	Y. 2c.	Kansas.....	640	445	1,085	49	41	90	Medal and bar.
Perry, R.....	Pvt.	Kansas.....	643	442	1,085	49	40	89	Do.
Hill, W. P.....	Pvt.	Rhode Island.....	650	435	1,085	46	42	88	Do.
Heffner, R. W.....	Sea.	Vermont.....	631	453	1,084	48	42	90	Date plate and bar.
Hinds, W. C.....	Sea.	Minnesota.....	641	443	1,084	48	41	89	Do.
Lewis, A. T.....	Sgt.	Colorado.....	659	425	1,084	47	42	89	Do.
Webster, T. R.....	Cox.	Mississippi.....	648	435	1,083	47	43	90	Medal and bar.
Porter, H. H.....	Mid.	Idaho.....	611	470	1,081	48	47	95	Bar.
Kocher, L. A.....	C. M. A. A.	Minnesota.....	638	443	1,081	48	44	92	Do.
Johnson, E. C.....	Sea.	Idaho.....	647	434	1,081	49	43	92	Medal and bar.
Lloyd, C. A.....	Corp.	North Dakota.....	651	429	1,080	50	40	90	Do.
Gardner, J. D.....	Pvt.	Minnesota.....	637	446	1,079	47	41	91	Do.
Terwilliger, H.....	Pvt.	Kansas.....	621	458	1,079	47	46	93	Date plate and bar.
Roeller, J.....	Corp.	New Hampshire...	643	435	1,078	.....	.....	.....	Date plate.
Sutherland, F.....	Pvt.	Minnesota.....	637	440	1,077	49	44	93	Date plate and bar.
Williams, H. M.....	C. Q. M.	Pennsylvania.....	605	471	1,076	45	47	92	Expert pistol shot bar and date plate.
Mullahy, E. L.....	Sgt.	Rhode Island.....	649	426	1,075	48	48	96	Date plate and bar.
King, C. H.....	G. M. 1c.	Kansas.....	644	431	1,075	48	43	91	Do.
Spencer, E. C.....	G. M. 1c.	.....do.....	618	457	1,075	47	42	89	Do.
Steldon, E. D.....	Pvt.	New Hampshire...	622	453	1,075	.....	.....	.....	Date plate.
Ross, J. C.....	G. M. 1c.	Pennsylvania.....	639	435	1,074	45	44	89	Medal and bar.
Dobbertin, E. E.....	Sea.	.....do.....	626	448	1,074	48	40	88	Do.
Weiszhowski, J. S.....	Q. M. 1c.	North Dakota.....	612	462	1,074	46	.....	.....	Date plate, and expert pistol shot bar.
Reed, R. F.....	Sea.	Idaho.....	625	448	1,073	.....	.....	.....	Medal.

LIST OF OFFICERS AND ENLISTED MEN WHO QUALIFIED AS SHARPSHOOTERS OR
EXPERT RIFLEMEN—Continued.

Name.	Rank or rate.	Vessel or station.	Sharpshooter's course.	Marksmen's course.	Aggregate.	800 yards.	1,000 yards.	Aggregate.	Medal, date plate, expert rifleman's bar, or expert's pistol shot.
Swigart, C. C.....	E. 3.	Pennsylvania.....	611	461	1,072	45	44	89	Medal and bar.
Lowman, W. C.....	O. S.	Louisiana.....	625	446	1,071	49	45	94	Do.
Seaberry, W. C.....	Sea.	Rhode Island.....	608	463	1,071	45	40	85	Date plate and bar.
Earnest, N. P. H.....	Sea.	New Hampshire..	619	450	1,069	45	41	86	Do.
McClintic, W. S.....	Lieut.	Michigan.....	611	457	1,068	48	40	88	Date plate, bar, and pistol shot bar.
Burns E.....	Sea.	Georgia.....	636	432	1,068	46	41	78	Medal and bar.
Wagner, P. A.....	Sea.	Vermont.....	629	438	1,067	49	42	91	Date plate and bar.
Ogden, H.....	Pvt.	Kansas.....	622	445	1,067	45	43	88	Do.
Leonard, J.....	O. S.	Idaho.....	619	448	1,067	45	40	85	Medal.
Hunter, G. R.....	Sea.	Connecticut.....	624	442	1,066	45	40	85	Do.
Murphy, W. J.....	Sea.	Rhode Island.....	636	429	1,065	46	42	88	Date plate and bar.
Case, W. H.....	Sea.	do.....	629	435	1,064	47	48	95	Medal and bar.
Clark, F. C.....	P. M.	Louisiana.....	625	439	1,064	48	46	94	Date plate and bar.
Adams, C. C.....	Sea.	New Hampshire..	622	441	1,063	48	42	90	Do.
Coffman, R. B.....	En.	Vermont.....	614	449	1,063	49	41	90	Do.
Kneubuehler, J.....	G. M. 3c.	do.....	609	453	1,062	49	41	90	Do.
Pardee, W. H.....	B. M. 1c.	North Dakota.....	637	425	1,062	49	40	89	Date plate.
Pendleton, H. M.....	Pvt.	Montana.....	617	445	1,062	49	40	89	Medal.
Schmalz, D. F.....	Cox.	Kansas.....	614	446	1,060	49	46	95	Medal and bar.
Ellis, A. McD.....	Sea.	Louisiana.....	605	455	1,060	45	46	91	Do.
Cramer, H. E.....	Cpl.	Georgia.....	603	457	1,060	49	40	89	Date plate and bar.
Ogan, J. V.....	Lt.	Michigan.....	620	440	1,060	46	41	87	Date plate, bar, and pistol shot bar.
Taylor, F. J.....	B. M. 1c.	Minnesota.....	620	440	1,060	45	42	87	Date plate and bar.
Hansen, R.....	O. S.	Pennsylvania.....	648	411	1,059	47	42	89	Medal and bar.
Wamer, J. B.....	Sea.	North Dakota.....	641	418	1,059	45	40	85	Medal.
Brown, H. W.....	Sea.	Georgia.....	612	445	1,057	49	41	90	Medal and bar.
Mack, F.....	Pvt.	Kansas.....	620	436	1,056	46	45	91	Date plate and bar.
Shallcross, H.....	G. M. 2c.	Louisiana.....	601	454	1,055	50	42	92	Medal and bar.
Irwin, N. E.....	Lt. Cdr.	Kansas.....	593	452	1,055	46	41	87	Date plate and bar.
O'Connor, C. F.....	B. M. 1c.	North Dakota.....	606	449	1,055	46	40	86	Do.
Smith, W. F.....	Cox.	Montana.....	615	440	1,055	45	40	85	Medal.
Wise, J. C.....	Tpdr.	Idaho.....	597	458	1,055	45	40	85	Do.
Vossler, F. A. L.....	Ens.	Virginia.....	627	427	1,054	45	48	93	Date plate and bar.
McLellan, C. H.....	G. M. 1c.	Louisiana.....	608	445	1,053	45	44	89	Do.
Clingman, W. J.....	Sea.	Nebraska.....	620	433	1,053	47	48	95	Do.
Kummerlowe, O. W.....	Pvt.	Colorado.....	619	434	1,053	45	40	85	Medal.
Crane, H. B.....	Sea.	Minnesota.....	619	433	1,052	45	46	91	Date plate and bar.
Mowry, W. H.....	O. S.	Georgia.....	610	442	1,052	45	43	88	Medal and bar.
Lambert, W. S.....	Sea.	Idaho.....	619	433	1,052	45	40	85	Medal.
Stark, L. C.....	Ens.	Montana.....	589	463	1,052	45	40	85	Date plate and expert pistol shot bar.
W. W. Waddel.....	Midn.	Colorado.....	596	455	1,051	48	40	88	Date plate and bar.
Kennedy, M. K.....	O. S.	Kansas.....	623	428	1,051	45	41	86	Do.
Watson, S.....	Q. M. 2c.	Colorado.....	572	478	1,050	45	44	99	Medal and bar.
Washington, S. C.....	C. T. C.	Vermont.....	612	438	1,050	50	45	95	Date plate and bar.
Ergenmann, J. S.....	B. M. 2c.	Minnesota.....	618	432	1,050	46	44	90	Do.

LIST OF OFFICERS AND ENLISTED MEN WHO QUALIFIED AS SHARPSHOOTERS OR
EXPERT RIFLEMEN—Continued.

Name.	Rank or rate.	Vessel or station.	Sharpshooter's course.	Marksmen's course.	Aggregate.	800 yards.	1,000 yards.	Aggregate.	Medal, date plate, expert rifleman's bar, or expert's pistol shot.
Peterson, E. E.	Sea.	Pennsylvania.	628	422	1,050	46	43	89	Medal and bar.
Dougherty, H.	Sea.	Nebraska.	630	420	1,050	.....	.....	.....	Date plate.
Russel, W. H.	E. 2c.	Colorado.	617	433	1,050	.....	.....	.....	Medal.
Conover, G.	B. M. 1c.	Rhode Island.	623	426	1,049	48	44	92	Date plate and bar.
Setley, N. E.	Cox.	New Hampshire.	600	448	1,048	46	41	87	Do.
Slaugh, H.	Pvt.	Colorado.	616	432	1,048	.....	.....	.....	Medal.
McCabe, A.	B. M. 1c.	Pennsylvania.	617	430	1,047	46	42	88	Expert rifleman's bar and date plate.
Wissinger, M. J.	Pvt.	Nebraska.	610	437	1,047	48	40	88	Date plate and bar.
Lang, E. K.	Mid.	Virginia.	605	441	1,046	46	46	92	Do.
Muirheid, A. W.	Sea.	Minnesota.	616	430	1,046	47	42	89	Do.
Reinhardt, A. F.	Sea.	Georgia.	600	446	1,046	45	43	88	Medal and bar.
Porter, P.	B. M. 2c.	Pennsylvania.	630	415	1,045	46	40	86	Do.
Osburn, C. T.	Ens.	Mississippi.	599	445	1,044	49	42	91	Date plate, bar, and expert pistol shot bar.
Bartlett, C. F.	Pvt.	Nebraska.	592	452	1,044	48	42	90	Medal and bar.
Glidewell, G. R.	Pvt.	Colorado.	629	415	1,044	.....	.....	.....	Medal.
Lotz, F. A.	Sea.	Virginia.	613	431	1,044	.....	.....	.....	Do.
Tople, E. J.	Cox.	do.	625	419	1,044	.....	.....	.....	Date plate.
Dieudonne, E. L.	C. G. M.	Louisiana.	603	440	1,043	46	44	90	Date plate and bar.
Tillson, H. A.	Sea.	Pennsylvania.	615	428	1,043	45	41	86	Medal and bar.
Fleming, E. D.	G. M. 3c.	Nebraska.	615	428	1,043	.....	.....	.....	Date plate.
Rabideau, E. G.	Pvt.	Colorado.	618	425	1,043	.....	.....	.....	Medal.
Troncin, C. R.	Sea.	Virginia.	606	437	1,043	.....	.....	.....	Date plate.
Vanek, J.	C. B. M.	Colorado.	620	422	1,042	47	45	92	Medal and bar.
Johnson, R. L.	Pvt.	do.	630	411	1,041	46	42	88	Do.
Peters, B. M. 2c.	B. M. 2c.	Mississippi.	589	452	1,041	46	42	88	Do.
Erickson, E. J.	Cox.	Colorado.	625	415	1,040	46	49	95	Do.
Spencer, A. P.	C. T. C.	Vermont.	598	442	1,040	48	43	91	Date plate and bar.
Wilkerson, W. W.	Sea.	Louisiana.	610	430	1,040	47	42	89	Medal and bar.
Willis, R. W.	Cox.	Vermont.	595	445	1,040	46	40	86	Date plate and bar.
Sarbin, M.	Pvt.	Rhode Island.	610	430	1,040	.....	.....	.....	Medal.
Shaw, W. T.	C. M. A. A.	Kansas.	606	433	1,039	49	43	92	Date plate and bar.
Walker, G. A.	M. A. A. 1c.	Michigan.	617	422	1,039	45	46	91	Medal and bar.
Branchand, R. H. F.	Sea.	Georgia.	613	426	1,039	45	44	89	Do.
Simons, W. P.	Sea.	Virginia.	619	420	1,039	48	40	88	Date plate and bar.
Shunney, J. S.	Sea.	Pennsylvania.	626	413	1,039	45	42	87	Medal and bar.
Berry, H. B.	Mid.	Colorado.	623	415	1,038	45	43	88	Do.
White, R. A.	Ens.	Kansas.	581	457	1,038	46	40	86	Date plate, bar, and expert pistol shot bar.
Freeman, R. B.	Pvt.	Colorado.	628	409	1,037	.....	.....	.....	Medal.
Thompson, W. F.	Sea.	Connecticut.	608	429	1,037	.....	.....	.....	Do.
Porter, J.	C. B. M.	Mississippi.	590	446	1,036	46	42	88	Date plate and bar.
Turner, G.	O. S.	Minnesota.	607	429	1,036	46	40	86	Medal and bar.
Woods, J. H.	Sea.	Washington.	600	435	1,035	46	46	92	Do.
Alexander, G. A.	Lt.	Pennsylvania.	602	433	1,035	45	41	86	Expert rifleman's bar and date plate.

LIST OF OFFICERS AND ENLISTED MEN WHO QUALIFIED AS SHARPSHOOTERS OR
EXPERT RIFLEMEN—Continued.

Name.	Rank or rate.	Vessel or station.	Sharpshooter's course.	Marksmen's course.	Aggregate.	800 yards.	1,000 yards.	Aggregate.	Medal, date plate, expert rifleman's bar, or expert's pistol shot.
Dillon, L. M.....	Cox.	Pennsylvania.....	614	421	1,035	45	41	86	Medal and bar.
Pauline, A. J.....	C. M. A. A.	do.....	597	438	1,035	45	40	85	Do.
Bowdey, G. H.....	Ens.	Wilmington.....	602	433	1,035	....	....	....	Date plate and bar.
Wyatt, W. R.....	O. S.	Georgia.....	614	420	1,034	45	45	90	Medal and bar.
Arnold, E. D.....	Cox.	Mississippi.....	583	451	1,034	46	41	87	Do.
Gerner, E. P.....	Oil.	Kansas.....	615	419	1,034	46	40	86	Do.
Loewe, H.....	T. C. 1c.	Colorado.....	618	416	1,034	46	40	86	Do.
Roberts, J.....	C. B. M.	Pennsylvania.....	587	446	1,033	45	43	88	Do.
Baldwin, A. M.....	Pvt.	Colorado.....	624	409	1,033	....	....	....	Medal.
Rhea, J. L.....	O. S.	Pennsylvania.....	613	419	1,032	48	41	89	Medal and bar.
Schenk, J. C.....	Cox.	do.....	592	440	1,032	46	42	88	Do.
Hiva, F. M.....	Pvt.	Washington.....	614	418	1,032	45	40	85	Date plate and bar.
Giffbaugh, R. L.....	Pvt.	Kansas.....	589	443	1,032	....	....	....	Medal.
Ayling, J.....	Sgt.	Washington.....	567	464	1,031	49	42	91	Date plate and bar.
Clark, J. H.....	Sea.	do.....	616	415	1,031	47	44	91	Medal and bar.
Stiles, W. H.....	Ens.	New Hampshire...	571	460	1,031	48	41	89	Date plate, bar, and expert pistol shot bar.
Womelsdorf, J. H.....	Sea.	Vermont.....	596	435	1,031	49	40	89	Date plate and bar.
Cotton, L. J.....	Cox.	Pennsylvania.....	613	418	1,031	47	41	88	Medal and bar.
Marple, H. H.....	Sea.	Georgia.....	613	418	1,031	47	41	88	Date plate and bar.
Brand, C. L.....	Mid.	do.....	560	471	1,031	45	42	87	Date plate, bar, and expert pistol shot bar.
Cline, J. T.....	C. G. M.	Vermont.....	611	420	1,031	45	42	87	Date plate and bar.
Williams, H.....	O. S.	Colorado.....	617	414	1,031	....	....	....	Medal.
Wilms, L. F.....	P. M.	Minnesota.....	601	430	1,031	....	....	....	Do.
Rice, P. H.....	Ens.	Pennsylvania.....	588	442	1,030	49	44	93	Medal and bar.
Green, E. A.....	Capt. M. C.	Kansas.....	572	458	1,030	48	43	91	Do.
Mack, C. F.....	P. M.	Louisiana.....	589	441	1,030	48	43	91	Date plate and bar.
Perkins, H. L.....	Pvt.	Connecticut.....	600	430	1,030	....	....	....	Date plate.
Shank, J. H.....	Sea.	Mississippi.....	571	459	1,030	....	....	....	Medal.
Christensen, A. J.....	B. M., 1c.	Pennsylvania.....	610	419	1,029	45	43	88	Date plate and bar.
McCoy, A. C.....	Sea.	Colorado.....	590	439	1,029	....	....	....	Medal.
Richardson, W.....	Pvt.	Idaho.....	590	439	1,029	....	....	....	Do.
Wood, D. M.....	Lt. Cdr.	Montana.....	541	488	1,029	....	....	....	Date plate.
Shipman, C. Y.....	Sea.	Georgia.....	596	432	1,028	45	45	90	Medal and bar.
Hugo, G. L.....	G. M. 3c.	Mississippi.....	610	418	1,028	47	40	87	Do.
Richardson, E. L.....	Sea.	North Dakota.....	616	412	1,028	46	40	86	Do.
Cunningham, A. A.....	2d Lieut.	do.....	589	436	1,028	....	....	....	Medal and expert pistol shot bar.
Hager, C.....	Sea.	Idaho.....	581	447	1,028	....	....	....	Medal.
McDonald, W. M.....	Pvt.	North Dakota.....	611	417	1,028	....	....	....	Do.
Thompson, R.....	Corpl.	Mississippi.....	594	434	1,028	....	....	....	Do.
Manley, L.....	Corpl.	Washington.....	601	426	1,027	48	44	92	Date plate and bar.
Bridgeford, C. E.....	Cox.	Rhode Island.....	612	415	1,027	....	....	....	Medal.
Struth, J.....	B. M. 2c.	Connecticut.....	596	431	1,027	....	....	....	Date plate.
McClure, F. L.....	G. M. 2c.	Louisiana.....	565	461	1,026	50	42	92	Date plate and bar.
Neville, H. M.....	G. M. 3c.	Washington.....	598	428	1,026	46	44	90	Medal and bar.
Yeager, F.....	G. M. 2c.	Pennsylvania.....	612	414	1,026	45	43	88	Do.
Wilson, W. A.....	Q. M. 1c.	Vermont.....	596	430	1,026	45	41	86	Date plate and bar.

LIST OF OFFICERS AND ENLISTED MEN WHO QUALIFIED AS SHARPSHOOTERS OR EXPERT RIFLEMEN—Continued.

Name.	Rank or rate.	Vessel or station.	Sharpshooter's course.	Marksmen's course.	Aggregate.	800 yards.	1,000 yards.	Aggregate.	Medal, date plate, expert rifleman's bar, or expert's pistol shot.
Carrol, J. F.....	Corpl.	Nebraska.....	598	428	1,026	...	...	...	Medal.
Graham, W. J.....	G. M. 1c.	Colorado.....	615	410	1,025	49	48	97	Medal and bar.
Dorr, P. A.....	Sea.	Mississippi.....	581	444	1,025	48	44	92	Do.
Lundquist, A. J. C.....	G. M. 1c.	North Dakota.....	607	418	1,025	47	44	91	Date plate and bar.
Newgent, C. M.....	Sea.	Georgia.....	589	436	1,025	48	42	90	Medal and bar.
Hamilton, A. J.....	Corpl.	Mississippi.....	602	423	1,025	...	...	...	Date plate.
Cox.....		Colorado.....	605	419	1,024	47	47	94	Medal and bar.
Ames, O. E.....	M. A. A. 3c.	.....do.....	581	443	1,024	48	45	93	Date plate and bar.
La Fresmer, R.....	Sea.	Nebraska.....	598	426	1,024	48	41	89	Do.
Mahoney, J. J.....	Sergt.	Louisiana.....	575	449	1,024	47	41	88	Do.
Wilcox, J. W.....	Lieut.	Georgia.....	569	455	1,024	47	41	88	Date plate, bar, and expert pistol shot bar.
Gordon, E. L.....	Sea.	New Hampshire..	597	427	1,024	...	...	...	Date plate.
Lewis, S. F.....	Sea.	Washington.....	587	436	1,023	45	42	87	Medal and bar.
Kintz, R. R.....	Corpl.	.....do.....	601	421	1,022	45	46	91	Do.
Gunderson, T.....	Sea.	Pennsylvania.....	609	413	1,022	45	41	86	Medal and bar.
Hoggett, J. M.....	Sea.	.....do.....	590	432	1,022	46	40	86	Do.
Eakin, E.....	E. 1c.	Idaho.....	571	451	1,022	...	...	...	Date plate.
Farrar, R. C.....	Sea.	Nebraska.....	611	411	1,022	...	...	...	Do.
Genest, W.....	B. M. 2c.	Birmingham.....	594	428	1,022	...	...	...	Medal.
Marchant, A. W.....	B. M. 1c.	.....do.....	593	429	1,022	...	...	...	Date plate.
Thomas, J. W.....	Sea.	Pennsylvania.....	596	425	1,021	48	40	88	Medal and bar.
Brown, P. S.....	Capt. M. C.	Minnesota.....	569	452	1,021	46	40	86	Date plate and bar.
Lacher, G. B.....	O. S.	Pennsylvania.....	604	417	1,021	45	40	85	Medal and bar.
Shannon, J. R.....	C. T. C.	Idaho.....	568	453	1,021	...	...	...	Medal.
Teeter, O. B.....	Sea.	Virginia.....	587	434	1,021	...	...	...	Date plate.
Bardos, J.....	Sea.	Washington.....	593	427	1,020	49	41	90	Date plate and bar.
Reish, H. E.....	Cox.	Colorado.....	607	413	1,020	46	44	90	Medal and bar.
Coffey, R. B.....	Lieut.	New Hampshire..	584	436	1,020	...	...	...	Medal.
Knights, A. E.....	Pvt.	Rhode Island.....	600	420	1,020	...	...	...	Do.
Streeb, C.....	Sea.	Vermont.....	587	432	1,019	48	43	91	Medal and bar.
Den, W. A.....	O. S.	Pennsylvania.....	599	420	1,019	45	44	89	Do.
Etley, W.....	Sea.	Mississippi.....	586	433	1,019	46	42	88	Do.
Sheeler, J. B.....	Sea.	Georgia.....	594	425	1,019	45	43	88	Do.
Sharpless, J. L.....	Sea.	Minnesota.....	592	427	1,019	...	...	...	Medal.
Godfrey, J. B.....	P. M.	Louisiana.....	575	443	1,018	50	40	90	Date plate and bar.
McKibbin, C. A.....	O. S.	Pennsylvania.....	576	442	1,018	48	42	90	Medal and bar.
Barnes, J. L.....	O. S.	.....do.....	586	432	1,018	45	44	89	Do.
Campbell, C. W. A.....	Gun.	Colorado.....	593	425	1,018	47	41	88	Medal and bar.
Jelley, H. W.....	Cox.	Washington.....	592	426	1,018	46	36	82	Date plate.
Van Hook, C. E.....	Mid.	Montana.....	599	419	1,018	...	...	...	Medal.
Cunningham, G.....	Sea.	Colorado.....	608	409	1,017	47	47	94	Medal and bar.
Peters, H.....	C. G. M.	Kansas.....	566	451	1,017	46	41	87	Do.
Kenning, L. H.....	Cox.	Pennsylvania.....	606	411	1,017	45	40	85	Do.
Dibrell, A. G.....	Ens.	Prairie.....	565	452	1,017	...	...	...	Medal and expert pistol shot bar.
Bicker, J. C.....	O. S.	Pennsylvania.....	581	435	1,016	49	42	91	Medal and bar.
Anderson, A. C.....	Pvt.	Rhode Island.....	597	419	1,016	45	43	88	Do.
Windelow, A. J.....	O. S.	North Dakota.....	591	425	1,016	45	42	87	Do.
Kidd, I. C.....	Ens.	.....do.....	562	454	1,016	45	40	85	Date plate and expert pistol shot bar.

LIST OF OFFICERS AND ENLISTED MEN WHO QUALIFIED AS SHARPSHOOTERS OR
EXPERT RIFLEMEN—Continued.

Name.	Rank or rate.	Vessel or station.	Sharpshooter's course.	Marksmanship's course.	Aggregate.	800 yards.	1,000 yards.	Aggregate.	Medal, date plate, expert rifleman's bar, or expert's pistol shot.
Tilt, L. W.	Q. 3c.	Mississippi	605	411	1,016	45	40	85	Medal and bar.
Combs, D. S.	2d Lieut.	Montana	557	459	1,016	...	...	...	Medal.
Martz, W. E.	Sea.	Pennsylvania	586	429	1,015	45	45	90	Medal and bar.
Butts, R. A.	Sea.	Washington	592	422	1,014	46	42	88	Do.
Hart, C. R.	Sea.	Pennsylvania	577	437	1,014	45	43	88	Do.
Keller, F. B.	H. A. 1c.	Colorado	600	414	1,014	47	40	87	Do.
Bean, W. H.	Sea.	Montana	597	417	1,014	...	...	...	Medal.
Coleman, H. C.	Sea.	Colorado	597	417	1,014	...	...	...	Do.
Giddens, W. R.	M. A. A. 1c.	Pennsylvania	589	425	1,014	...	...	...	Do.
Pike, I. M.	E. 2c.	Colorado	588	426	1,014	...	...	...	Do.
Schebler, W. J.	Sea.	Virginia	592	422	1,014	...	...	...	Do.
Taylor, F. W.	Sea.	Georgia	583	430	1,013	50	46	96	Medal and bar.
Dinegar, C. P.	O. S.	Washington	584	429	1,013	47	45	92	Date plate and bar.
Jackson, A.	C. Q. M.	Birmingham	565	448	1,013	47	45	92	Do.
Goodrich, E. W.	Sea.	Pennsylvania	604	409	1,013	46	41	87	Medal and bar.
Holsey, J.	Sea.	Pennsylvania	601	412	1,013	46	40	86	Do.
Douglas, A. H.	Ensign.	New Hampshire	573	440	1,013	...	...	...	Date plate.
Schoenfeld, C. B.	O. S.	Connecticut	599	414	1,013	...	...	...	Date plate and expert pistol shot bar.
Hykes, J. H.	Sea.	Virginia	591	421	1,012	46	45	91	Medal and bar.
Burmeister, N.	B. M. 1c.	Pennsylvania	591	421	1,012	48	41	89	Do.
Crenshaw, R. S.	Ens.	Virginia	557	455	1,012	46	41	87	Date plate and bar.
Gossett, H. M.	Sea.	Pennsylvania	573	439	1,012	47	40	87	Medal and bar.
Cranson, T. P.	Sea.	Colorado	602	410	1,012	...	...	...	Medal.
Davis, L. C.	Ens.	Wilmington	580	432	1,012	...	...	...	Medal and expert pistol shot bar.
Martin, O.	Sea.	North Dakota	588	424	1,012	...	...	...	Medal.
Akina, E. H.	O. S.	Pennsylvania	589	422	1,011	...	...	...	Do.
Hankins, W. B.	Sea.	Virginia	577	434	1,011	...	...	...	Do.
Hill, L. M.	Cox.	do.	595	416	1,011	...	...	...	Do.
Schillo, B.	Sea.	Pennsylvania	594	416	1,010	46	42	88	Medal and bar.
Lowry, W. B.	Sea.	Kansas	576	434	1,010	45	41	86	Do.
Roberts, F. W.	Pvt.	Georgia	584	426	1,010	...	...	...	Medal.
Venable, G. M.	Pvt.	Montana	597	413	1,010	...	...	...	Do.
Hawkins, E. H.	Sea.	Pennsylvania	594	415	1,009	45	40	85	Medal and bar.
Allen, O.	Sea.	Colorado	571	438	1,009	...	...	...	Medal.
Gill, E. L.	Corp.	North Dakota	568	441	1,009	...	...	...	Do.
Gullickson, O. J.	Sea.	do.	593	416	1,009	...	...	...	Do.
Brainard, E. H.	2d Lt.	Minnesota	574	434	1,008	47	45	92	Date plate and bar.
Wright, E. W.	Sea.	Pennsylvania	588	420	1,008	45	44	89	Medal and bar.
Monroe, E. A.	E. 2c.	Colorado	589	419	1,008	...	...	...	Medal.
Shotwell, H. S.	Pvt.	Nebraska	567	441	1,008	...	...	...	Date plate.
Solar, J. J.	Sea.	Pennsylvania	577	430	1,007	47	48	95	Medal and bar.
Mileski, W.	F. 1c.	Virginia	581	426	1,007	45	44	89	Date plate and bar.
Raymond, A. G.	B. M. 1c.	Pennsylvania	573	434	1,007	48	40	88	Do.
Wright, G. C.	O. S.	do.	573	434	1,007	47	40	87	Medal and bar.
Weimkirch, M. F.	Sea.	do.	588	419	1,007	46	40	86	Do.
Trione, J. E.	O. S.	do.	568	439	1,007	...	...	...	Medal.
Brady, J. R.	Sea.	do.	576	430	1,006	50	42	92	Medal and bar.
Minor, F. R.	Cox.	Washington	564	442	1,006	46	43	89	Do.
Norgle, G.	B. M. 1c.	Colorado	594	412	1,006	46	42	88	Do.
Thompson, S. M.	C. T. C.	Rhode Island	581	425	1,006	47	40	87	Do.
Lawley, J. L.	O. S.	Georgia	598	408	1,006	46	39	85	Medal.
Tindall, M. J.	Cox.	New Hampshire	551	455	1,006	45	40	85	Date plate and bar.

LIST OF OFFICERS AND ENLISTED MEN WHO QUALIFIED AS SHARPSHOOTERS OR EXPERT RIFLEMEN—Continued.

Name.	Rank or rate.	Vessel or station.	Sharpshooter's course.	Marksmen's course.	Aggregate.	800 yards.	1,000 yards.	Aggregate.	Medal, date plate, expert rifleman's bar, or expert's pistol shot.
Anderson, O.....	Pvt.	Georgia.....	596	410	1,006	...	...	...	Medal.
Adair, A. K.....	O. S.	do.....	568	437	1,005	48	46	94	Medal and bar.
Bunger, B. C.....	Sea.	Pennsylvania.....	567	438	1,005	46	45	91	Do.
Brashear, L. C.....	Sea.	Nebraska.....	560	445	1,005	49	41	90	Do.
Sawyer, F. P.....	Sea.	Pennsylvania.....	578	427	1,005	47	42	89	Do.
Barrack, G. F.....	T. C. 1c.	Washington.....	589	416	1,005	46	42	88	Date plate and bar.
Frellsen, R. F.....	Ens.	Michigan.....	564	441	1,005	45	43	88	Medal and bar.
Patterson, E. R.....	O. S.	Pennsylvania.....	571	434	1,005	45	41	86	Do.
Lafrosky, J.....	Pvt.	Washington.....	572	433	1,005	45	40	85	Do.
Appelt, R.....	Sea.	Mississippi.....	574	431	1,005	...	...	...	Medal.
Final, G. I.....	Cox.	Connecticut.....	570	435	1,005	...	...	...	Do.
Hepler, C.....	G. M. 1c.	Wilmington.....	578	427	1,005	...	...	...	Do.
Lyons, H. L.....	C. P.	Kansas.....	588	417	1,005	...	...	...	Do.
Wilson, R. S.....	O. S.	Pennsylvania.....	578	426	1,004	45	42	87	Medal and bar.
Bloomer, J. A.....	Sea.	do.....	565	439	1,004	45	40	85	Do.
Smith, J. H.....	Sea.	do.....	577	427	1,004	46	40	86	Do.
McNeill, W. A.....	1st. Lieut.	Colorado.....	583	420	1,003	46	48	94	Do.
Hetrick, R. T.....	Sea.	Pennsylvania.....	595	408	1,003	47	44	91	Do.
Loewenstein, W. F.....	Corpl.	Colorado.....	563	440	1,003	46	44	90	Do.
Clyde, C. H.....	Sgt.	Virginia.....	559	444	1,003	48	40	88	Date plate and bar.
Jeffrey, W. H.....	Sea.	Connecticut.....	578	425	1,003	...	...	...	Medal.
Lawton, S. H.....	Lt.	Colorado.....	585	418	1,003	...	...	...	Do.
Murnane, J. A.....	Cox.	New Hampshire.....	566	437	1,003	...	...	...	Date plate.
Pyott, G. T.....	O. S.	Colorado.....	595	408	1,003	...	...	...	Medal.
Snyder, H.....	Pvt.	Virginia.....	572	431	1,003	...	...	...	Do.
Wilson, J. H.....	Sea.	Pennsylvania.....	558	444	1,002	46	47	93	Medal and bar.
Jones, G.....	Pvt.	Rhode Island.....	541	461	1,002	49	43	92	Date plate and bar.
Rosen, H.....	Sea.	Michigan.....	577	425	1,002	47	40	87	Medal and bar.
Frates, J. F.....	Sea.	North Dakota.....	552	450	1,002	...	...	...	Date plate.
Heinz, C. J.....	Cox.	Nebraska.....	575	427	1,002	...	...	...	Do.
Hoover, J. E.....	Sea.	Montana.....	592	410	1,002	...	...	...	Medal.
Oliver, J. T.....	Sea.	New Hampshire.....	565	437	1,002	...	...	...	Date plate.
Bean, R. R.....	Sea.	Pennsylvania.....	551	450	1,001	45	46	91	Date plate and bar.
Hawkins, V. B.....	Q. M. 3.	do.....	568	433	1,001	28	42	90	Medal and bar.
Leutrits, G. A. C.....	B. M. 1c.	Rhode Island.....	588	413	1,001	46	43	89	Date plate and bar.
Bolek, A. J.....	Sea.	Pennsylvania.....	588	413	1,001	47	41	88	Medal and bar.
Erickson, C. C.....	Sea.	do.....	580	421	1,001	48	40	88	Do.
Jones, H. A.....	Ens.	Albany.....	515	486	1,001	46	41	87	Do.
Hines, W. A.....	Sea.	Pennsylvania.....	559	442	1,001	45	40	85	Date plate and bar.
Alexander, J. J.....	El. 1c.	Connecticut.....	571	430	1,001	...	...	...	Medal.
Bradley, G. W.....	Sea.	Nebraska.....	581	420	1,001	...	...	...	Date plate.
Davis, G. E.....	G. M. 2c.	Wilmington.....	575	426	1,001	...	...	...	Do.
Williams, R. C.....	Ens.	Georgia.....	538	463	1,001	...	...	...	Do.
Dean, E. K.....	C. G. M.	Pennsylvania.....	553	447	1,000	45	45	90	Medal and bar.
Lindquist, O.....	G. M. 2.	do.....	573	427	1,000	45	45	90	Do.
Brown, W. F.....	Corpl.	Georgia.....	581	419	1,000	48	42	90	Date plate and bar.
Roche, R.....	B. M. 1c.	Colorado.....	578	422	1,000	48	42	90	Medal and bar.
Bayly, L.....	Trpr.	do.....	558	442	1,000	45	44	89	Do.
Hughes, C. W. B.....	B. M. 1c.	Washington.....	567	433	1,000	47	35	82	Medal.
Barthelmy, F. A.....	Pvt.	Michigan.....	574	426	1,000	...	...	...	Date plate.
Fieberg, F.....	Pvt.	Colorado.....	589	411	1,000	...	...	...	Medal.
Macfarlane, S. B.....	Mdn.	Vermont.....	570	430	1,000	...	...	...	Do.
Noyes, L.....	Ens.	Mississippi.....	560	440	1,000	...	...	...	Date plate and expert pistol shot bar.
Sikes, A. R.....	Sea.	Virginia.....	587	413	1,000	...	...	...	Medal.
Pasek, A. J., Jr.....	Sea.	Pennsylvania.....	574	425	999	49	43	92	Medal and bar.

LIST OF OFFICERS AND ENLISTED MEN WHO QUALIFIED AS SHARPSHOOTERS OR
EXPERT RIFLEMEN—Continued.

Name.	Rank or rate.	Vessel or station.	Sharpshooter's course.	Marksmen's course.	Aggregate.	800 yards.	1,000 yards.	Aggregate.	Medal, date plate, expert, rifleman's bar, or expert's pistol shot.
Leclerc, Jules V.	Sgt.	Washington.	589	410	999	46	45	91	Medal and bar.
Talbot, M. L.	Sea.	Pennsylvania.	576	423	999	48	43	91	Do.
Wheelock, C. M.	Bug.	do.	559	440	999	50	41	91	Do.
Gryder, T. H.	Sea.	do.	589	410	999	47	42	89	Do.
Brix, E. B.	Cox.	do.	561	438	999	46	42	88	Do.
Hydriek, J. L.	Ens.	Birmingham.	578	421	999	46	42	88	Do.
Thrasher, Thos. E.	2d Lt.	Virginia.	590	409	999	47	41	88	Do.
Breslin, J. J.	Sea.	Pennsylvania.	564	435	999	46	41	87	Do.
Dixon, V. J.	Sea.	do.	568	431	999	45	41	86	Do.
Kehoe, W.	1st Sgt.	Mississippi.	566	433	999	...	...	...	Medal.
Stover, L. O.	Sea.	Virginia.	585	414	999	...	...	...	Do.
Slevin, M.	Sea.	Birmingham.	568	430	998	46	41	87	Date plate and bar.
Weaver, R. A.	Sea.	Pennsylvania.	588	410	998	46	40	86	Medal and bar.
Walton, W. M.	Cox.	Montana.	573	425	998	...	...	...	Medal.
Pollock, E. T.	Lt. Cdr.	Virginia.	540	457	997	48	43	91	Date plate and bar.
Horbury, G.	Sea.	Kansas.	576	421	997	48	41	89	Medal and bar.
Peterson, T.	O. S.	Georgia.	577	420	997	41	48	89	Medal.
Schaefer, T. G.	Sea.	Pennsylvania.	580	417	997	48	41	89	Medal and bar.
Morrison, C. H.	Ens.	do.	562	435	997	45	43	88	Do.
Olssen, A.	Ch. Gn.	Michigan.	574	423	997	46	42	88	Date plate and bar.
Romberg, H. B.	Sea.	Pennsylvania.	563	434	997	45	43	88	Medal and bar.
Humes, W. G.	Sea.	Idaho.	576	421	997	...	...	...	Medal.
Nordquist, E. E.	Sea.	Nebraska.	580	417	997	...	...	...	Do.
Pettus, J. M.	Sea.	Colorado.	587	410	997	...	...	...	Do.
Tiemeyer, W.	Sea.	Georgia.	558	438	996	47	46	93	Medal and bar.
Parrott, J. W.	O. S.	New Hampshire.	563	433	996	48	43	91	Date plate and bar.
Fincher, J. V.	Sea.	Georgia.	584	412	996	48	42	90	Medal and bar.
Hanner, W. W.	O. S.	Pennsylvania.	584	412	996	46	43	89	Do.
Hildman, J. P.	G. M. 2.	do.	578	418	996	46	43	89	Do.
Cosgrove, J. W.	Sea.	do.	567	429	996	47	41	88	Do.
Thompson, C.	B. M. 1c.	do.	571	425	996	45	42	87	Date plate and bar.
Bartow, W. S.	Sea.	do.	570	426	996	45	40	85	Medal and bar.
Becktell, L. G.	Corpl.	Rhode Island.	581	415	996	...	...	...	Medal.
Bozzett, O.	C. Smith.	Birmingham.	582	414	996	...	...	...	Do.
Johnstone, W. I.	B. M. 1c.	Nebraska.	565	431	996	...	...	...	Do.
Maloney, M. J.	Pvt.	Georgia.	569	427	996	...	...	...	Do.
Nicholas, W. S.	Mid.	Virginia.	556	440	996	...	...	...	Do.
Stenos, C. H.	G. M. 3c.	Nebraska.	580	416	996	...	...	...	Do.
Sunderland, J. L.	Pvt.	Colorado.	571	425	996	...	...	...	Do.
Warner, L. L.	Sea.	Idaho.	573	423	996	...	...	...	Do.
Wright, J. B.	G. M. 3c.	Colorado.	580	416	996	...	...	...	Do.
Davis, G. E.	G. M. 2c.	New Orleans.	542	450	992	...	...	...	Do.
Alworth, C. J.	Q. M. 3c.	do.	511	440	951	...	...	...	Do.
Reher, E. E.	Cox.	do.	500	446	946	...	...	...	Do.
Sharp, E. J.	Sea.	Albany.	486	451	937	...	...	...	Do.
Covington, S. H.	Bug.	New Orleans.	496	441	937	...	...	...	Do.
Campbell, J.	do.	do.	499	432	931	...	...	...	Do.
Black, W. C.	Sea.	Albany.	474	448	922	...	...	...	Do.
Brooks, J. A.	Sea.	New Orleans.	489	433	922	...	...	...	Do.
Shire, H. E.	B. M. 2c.	Albany.	461	461	922	...	...	...	Do.
Lankford, F. E.	Sea.	New Orleans.	482	434	916	...	...	...	Do.
Wittman, L.	Gunner.	Albany.	448	468	916	...	...	...	Do.
Turner, M. L. G.	Sea.	New Orleans.	480	433	913	...	...	...	Do.
Shaw, J. E.	G. M. 3c.	do.	472	440	912	...	...	...	Do.
Owen, W. C.	Ens.	Albany.	445	468	911	...	...	...	Do.
McFarland, H. S.	Sea.	Albany.	468	442	910	...	...	...	Do.
Sanders, W. H.	B. M. 1c.	do.	435	475	910	...	...	...	Date plate.
Cassidy, C.	Cox.	New Orleans.	457	452	909	...	...	...	Medal.
Hill, R.	B. M. 1c.	do.	471	434	905	...	...	...	Do.
Drollinger.	Sea.	do.	472	432	904	...	...	...	Do.
Dunham, H.	Sea.	do.	454	445	899	...	...	...	Do.
Lehman, E. A.	Sea.	do.	459	440	899	...	...	...	Do.
Newell, G. L.	Cox.	do.	465	434	899	...	...	...	Do.

LIST OF OFFICERS AND ENLISTED MEN WHO QUALIFIED AS SHARPSHOOTERS OR
EXPERT RIFLEMEN—Continued.

Name.	Rank or rate.	Vessel or station.	Sharpshooter's course.	Marksmen's course.	Aggregate.	800 yards.	1,000 yards.	Aggregate.	Medal, date plate, expert rifleman's bar, or expert's pistol shot.
Doian, G. L. H.....	Q. M. 2c.	New Orleans.....	453	445	898	.....	.....	.....	Medal.
McFaul, J. F.....	Sea.	Albany.....	447	450	897	.....	.....	.....	Do.
Linneman, F. S.....	Sea.	New Orleans.....	473	442	895	.....	.....	.....	Do.
Ward, A. C.....	Cox.	Albany.....	439	455	894	.....	.....	.....	Do.
Porter E. G.....	Sea.	New Orleans	449	443	892	.....	.....	.....	Do.
Brown, M. S.....	Mid.	Navy rifle team...	.....	.....	.....	45	47	92	Date plate and bar.
Dawson, G. E.....	C. P.	Louisiana.....	599	.....	.....	49	42	91	Medal and bar.
Smith, W.....	Ens.	Dixie.....	.....	459	.....	.....	.....	.....	Expert pistol shot bar.
Schmitt, C.....	El. 1c.	.....do.....	.....	.....	.....	47	42	89	Medal and bar.
Wierzbowski, J. S.....	Q. M. 1c.	Navy rifle team...	.....	.....	.....	46	43	89	Date plate and bar.
Fleming, E. O.....	G. M. 3c.	.....do.....	.....	.....	.....	46	40	86	Do.
Frost, H. H.....	Mid.	Michigan.....	Expert pistol shot bar.
Bogart, I. C.....	Ens.	Mississippi.....	Do.
Spore, J. S.....	Ens.	Expert pistol shot pin.

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THREE-INCH FIELD PIECES.

STANDING OF VESSELS.

Stand- ing.	Vessel.	Number of pointers.	Total points.	Points per pointer.
1	Maryland.....	4	1,431	357.75
2	Kansas.....	4	947	236.75
3	Minnesota.....	4	862	215.50
4	Tennessee.....	4	669	167.25
5	Louisiana.....	4	635	158.75
6	Connecticut.....	4	586	146.50
7	Vermont.....	4	535	133.75
8	California.....	4	484	121.00
9	South Dakota.....	8	937	117.13
10	West Virginia.....	4	444	111.00
11	Colorado.....	4	440	110.00
12	Montana.....	4	422	105.50
13	Pennsylvania.....	4	403	100.75
14	Albany.....	4	281	70.25

STANDING OF POINTERS.

Standing.	Pointer.	Rate.	Vessel.	Hits (fuse at safety), value 20.	Time of string.	Hits (fuse set to explode), value 1.	Time of string.	Hits (riflemen), value 1.	Total points.
					<i>m. s.</i>		<i>m. s.</i>		
	Richards, H.	O. S.	Minnesota.	4	3 45	388	4 15	.....	468
	Hessemer, J. W.	Sea.	Maryland.	5	10 00	217	10 00	80	397
	Miller, H. R.	Cox.	do.	5	16 00	220	9 00	50	370
	McCloud, S. C.	Sea.	do.	5	11 00	171	12 00	74	345
	Morrissey, J. A.	O. S.	do.	4	15 00	169	11 00	60	319
	Kilgore, J. S.	Cox.	Kansas.	4	1 20	109	1 20	26	295
	Surrott, E. C.	Cox.	Minnesota.	3	2 45	223	3 00	.....	263
	Craig, F.	B. M. 2c.	Kansas.	5	1 25	68	1 25	3	231
	McArthur, S. C.	B. M. 1c.	do.	10	0 58	22	0 58	.....	222
	Gleich, P.	Cox.	Tennessee.	5	5 00	64	5 00	44	208
	Hellwig, C. H.	Cox.	do.	5	5 00	64	5 00	44	208
	Walls, W. H.	Cox.	South Dakota.	7	3 30	56	6 00	10	206
	Cadenbach, J. B.	Sea.	Connecticut.	3	9 00	120	7 00	25.5	205.5
	Dumford, E. C.	Sea.	Louisiana.	4	17 00	36	18 00	85.00	201
	Krotzer.	Sea.	Kansas.	7	1 10	11	1 15	48	199
	Erickson, C. A.	O. S.	Connecticut.	5	8 00	72	7 00	25.5	197.5
	Denneger, L.	Sea.	South Dakota.	4	6 00	78	7 30	11	169
	Stevens, W.	Sea.	California.	4	4 05	37	7 00	51	168
	Herkowski, P.	Sea.	do.	4	5 10	34	6 15	53	167
	Orehard, H. E.	Sea.	Pennsylvania.	5	4 14	59	2 30	5	164
	Baldwin, E. d. W.	Sea.	Louisiana.	1	5 00	85	9 00	51.5	156.5
	Zimmerman, N.	O. S.	Vermont.	4	3 00	43	4 00	24	147
	Graham, M. D.	O. S.	Albany.	5	.....	41	.....	5	146
	Conklin, P. W.	Sea.	Louisiana.	1	21 00	36	19 00	85	141
	Wieland, C. J.	O. S.	Vermont.	5	2 30	21	3 00	17	138
	Pranis, J. H.	Sea.	Louisiana.	0	6 00	85	12 30	51.5	136.5
	Longstreet, V.	Sea.	Vermont.	4	3 00	4	5 00	47	131
	Thompson, A. S.	B. M. 2c.	Tennessee.	5	5 00	5	3 00	22.5	127.5
	Autrobus, J. T.	Cox.	do.	5	5 00	3	3 00	22.5	125.5
	Russel, B.	Sea.	Colorado.	4	8 00	27	8 05	18	125
	Chaney, H. G.	Sea.	Montana.	5	3 05	14	3 05	10.5	124.5
	Foster, C.	Sea.	do.	5	4 15	11	4 15	13	124
	Karnes, B. F.	Cox.	South Dakota.	5	.....	22	.....	.....	122
	Dahlen, G. K.	Sea.	Colorado.	5	5 30	5	6 00	15	120
	Helwig, C. E.	Sea.	California.	1	5 50	39	9 15	60	119
	Hunter, A. W.	Sea.	West Virginia.	5	15 00	14	12 00	5	119
	Smith, E. F.	Sea.	do.	5	11 00	13	14 00	5	118
	Duke, M. J.	Cox.	Vermont.	4	3 00	10	5 00	29	119
	Foster, G. H.	Sea.	West Virginia.	4	14 00	14	13 00	11	105
	Stevens, E. M.	Sea.	do.	4	10 00	18	11 00	11	102
	Brown, R. E.	Sea.	Colorado.	3	2 50	27	5 30	12	99
	Walls, W. H.	Cox.	South Dakota.	4	.....	18	.....	.....	98
	Gordon, I. E.	Sea.	do.	4	4 50	11	7 30	6	97
	Watkins, W.	Sea.	Colorado.	4	5 30	8	6 10	8	96
	Gilmore, E. F.	Sea.	Connecticut.	2	8 00	40	6 00	15.5	95.5
	Adams, C. R.	Sea.	South Dakota.	3	.....	34	.....	.....	94
	Kruger, M. E.	Sea.	Pennsylvania.	3	4 42	23	3 00	11	94
	Peyton, E. T.	Sea.	Albany.	3	4 50	29	.....	5	94
	Karnes, B. E.	Sea.	South Dakota.	3	4 50	24	5 05	5	89
	Edwards, C. O.	Sea.	Montana.	3	2 36	18	2 36	10.5	88.5
	Donahue, J. J.	Sea.	Connecticut.	1	11 00	52	10 00	15.5	87.5
	Lawless, J. J.	Cox.	Pennsylvania.	3	2 30	19	7 30	6	85
	McPherson, R. A.	O. S.	Minnesota.	4	2 25	5	2 30	.....	85
	Steinbrecher, J. W.	Sea.	Montana.	3	2 27	12	2 27	13	85
	Denneger, F. F.	Sea.	South Dakota.	2	.....	22	.....	.....	62
	Hines, W. A.	Sea.	Pennsylvania.	1	4 32	23	3 21	17	60
	Mielke, F. W. K.	B. M. 2c.	Minnesota.	2	4 00	6	4 00	.....	46
	Abel, J. W.	Sea.	California.	1	7 00	10	10 00	.....	30
	Hildebrand, W. L.	Sea.	Albany.	1	10 53	0	10 55	5.5	25.5
	Mitchell, H.	Sea.	do.	1	9 40	0	9 41	5.5	25.5

ONE-POUNDERS, COLTS AND GATLINGS.

STANDING OF POINTERS.

Stand- ing.	Name.	Rate.	Vessel.	Shots.	Hits.	Score per gun per minute.	
						Shots.	Hits.
	<i>1-pounder.</i>						
	Balsor, O. J.	Sgt.	Tennessee.	16	12	16.00	12.00
	Huffman, M. L.	Sea.	Montana.	14.5	9.5	14.50	9.50
	Stogsdill, C. V.	Sea.	do.	14.5	9.5	14.50	9.50
	Ross, H. W.	Sea.	Albany.	12	9	12.00	9.00
	Thompson, A. S.	B. M. 2c.	Tennessee.	10	9	10.00	9.00
	Claussen, E. W.	Sea.	Connecticut.	11.5	8.0	11.50	8.00
	Reed, B. A.	Sea.	do.	11.5	8.0	11.50	8.00
	Crandall, D. M.	Sea.	Maryland.	11	7.5	11.00	7.50
	Huthansel, E.	O. S.	do.	11	7.5	11.00	7.50
	Dawson, R. H.	Sea.	Monterey.	11	7	11.00	7.00
	Grove, A.	O. S.	do.	7	7	7.00	7.00
	Lumbardy, A. J.	Sea.	Louisiana.	18	7	18.00	7.00
	Mitchell, H.	Sea.	Albany.	8	7	8.00	7.00
	Barnes, W. R.	Cox.	Michigan.	9	6	9.00	6.00
	Castro, R.	Sea.	Monterey.	10	6	10.00	6.00
	Guare, J. J.	G. M. 1c.	Michigan.	9	6	9.00	6.00
	Holden, H.	Sea.	California.	17	6	8.50	6.00
	Reynolds, W. R.	Sea.	New Hampshire.	14.5	5.0	14.50	6.00
	Scanlin, A. J.	G. M. 2c.	do.	14.5	5.0	14.50	6.00
	Tipton, A. T.	Sea.	California.	17	6	8.50	6.00
	Wolfe, P. T.	Cox.	Vicksburg.	6	6	6.00	6.00
	Hafley, T.	Cox.	Nebraska.	8	5	8.00	5.00
	Hilderbrand, W. L.	O. Sea.	Albany.	6	5	6.00	5.00
	Lane, A. A.	Cox.	Mississippi.	8.0	5.0	8.00	5.00
	Allen, E. R.	Sea.	Connecticut.	9.5	4.5	9.50	4.50
	Dahlin, I. J.	Cox.	New Hampshire.	13	4.5	13.00	4.50
	Fay, J. J.	Sea.	Rhode Island.	7.0	4.5	7.00	4.50
	Johnstone, E. B.	Sea.	Maryland.	8	4.5	8.00	4.50
	Osborne, O. K.	Cox.	do.	7.0	4.5	7.00	4.50
	Ross, J. J.	G. M. 1c.	New Hampshire.	13	4.5	13.00	4.50
	Shoenfeld, C. B.	O. S.	Connecticut.	9.5	4.5	9.50	4.50
	Wells, G. G.	O. S.	Maryland.	8	4.5	8.00	4.50
	Kane, J. J.	Sea.	Vicksburg.	6	4	6.66	4.44
	Bittner, S. C.	Pvt.	Tennessee.	16	4	16.00	4.00
	Branner, G. R.	Sea.	Virginia.	5	4	5.00	4.00
	Kessler, I.	Sea.	Louisiana.	13	4	13.00	4.00
	Nolan, W. H.	Sea.	Idaho.	7	4	7.00	4.00
	Werner, J. W.	Sea.	Monterey.	5	4	5.00	4.00
	Bryant, D.	Sea.	Vicksburg.	6	3	6.21	3.10
	Cross, T. J.	Priv.	Minnesota.	12	3	12.00	3.00
	Gardner, J. D.	Pvt.	Minnesota.	12	3	12.00	3.00
	Boyd, G. W.	O. S.	Albany.	7	3	7.00	3.00
	McCarthy, G. R.	O. S.	Virginia.	5	3	5.00	3.00
	McGuire, T. E.	O. S.	Nebraska.	9	3	9.00	3.00
	Sharp.		Mississippi.	9	3	9.00	3.00
	Stokes, R. K.	Sea.	South Dakota.	9	3	9.00	3.00
	Johnston, R.	Sea.	Vicksburg.	6	3	5.82	2.96
	Boone, V. G.	Sea.	Princeton.	3.5	2.5	3.50	2.50
	Cox, D.	Sea.	Montana.	9	2.5	9.00	2.50
	Griffin, A. G.	O. S.	Princeton.	3.5	2.5	3.50	2.50
	Petty, N. C.	Sea.	Michigan.	4.5	2.5	4.50	2.50
	Riggs, J. A.	Sea.	Montana.	9	2.5	9.00	2.50
	Starcewski.	Sea.	Vermont.	20	5	10.00	2.50
	Taylor, J.	B. M. 1c.	do.	17	5	8.50	2.50
	Verdick, E. W.	O. S.	Princeton.	3.5	2.5	3.50	2.50
	Wheeler, O.	Sea.	do.	3.5	2.5	3.50	2.50
	Wilde, C. E.	Sea.	Vermont.	20	5	10.00	2.50
	Worstell, W. E.	Sea.	do.	17	5.8	5.00	2.50
	Zanoni, C.	Sea.	Michigan.	4.5	2.5	4.50	2.50
	Brumfield, L. C.	Sea.	California.	14	4	7.00	2.00
	Carroll, A. M.	Sea.	Kansas.	5	2	5.00	2.00
	Cox, W. R.	Sea.	South Dakota.	7	2	7.00	2.00
	Frey, N. B.	Sea.	Virginia.	4	2	4.00	2.00
	Harrison, J. A.	O. S.	California.	16	4	8.00	2.00
	Leavendonski, W.	Sea.	Virginia.	4	2	4.00	2.00

STANDING OF POINTERS—Continued.

Stand- ing.	Name.	Rate.	Vessel.	Shots.	Hits.	Score per gun per minute.		
						Shots.	Hits.	
	1-pounder—Continued.							
	Norvell, H. C.	Sea.	South Dakota.	7	2	7.00	2.00	
	Root, C. C.	Sea.	Nebraska.	8	2	8.00	2.00	
	Sicherer, J. W.	O. S.	California.	16	4	8.00	2.00	
	Smith, J.	O. S.	do.	14	4	7.00	2.00	
	Sparks, C. B.	O. S.	Idaho.	5	2	5.00	2.00	
	Vickers, G. C.	G. M. 3c.	Nebraska.	11	2	11.00	2.00	
	Goldfarb, L.	O. S.	Rhode Island.	4.0	1.5	4.00	1.50	
	Hildebrand, W. L.	Sea.	Albany.	5	1.5	5.00	1.50	
	Johnson, L. N.	Sea.	Rhode Island.	4	1.5	4.00	1.50	
	Ross, H. W.	Sea.	Albany.	7	1.5	7.00	1.50	
	Shea, C. C.	Sea.	Maryland.	6.0	3	1.50	1.50	
	Wells, G. G.	Sea.	do.	6.0	3	1.50	1.50	
	Albanesius, C. E.	Sea.	South Dakota.	5.5	1	5.50	1.00	
	Brown, S. H.	Sea.	Colorado.	10	2	8.50	1.00	
	Day, F.	Cox.	North Dakota.	4	1	4.00	1.00	
	Devier, A. H.	Sea.	Colorado.	7	2	8.50	1.00	
	Gordon, G. G.	Sea.	Idaho.	6	1	6.00	1.00	
	Higgins, M. P.	Sea.	North Dakota.	5	1	5.00	1.00	
	Jesson.		Mississippi.	7	1	7.00	1.00	
	Muirheid, A. W.	Sea.	Minnesota.	12	1	12.00	1.00	
	Newkirk, O.	Sea.	South Dakota.	5.5	1	5.50	1.00	
	Obrien, J.	Sea.	Colorado.	4	2	6.50	1.00	
	Pettus, J. M.	Sea.	do.	9	2	6.50	1.00	
	Schroeder, H.	Cox.	Minnesota.	12	1	12.00	1.00	
	Taylor, V. A.	Sea.	Tennessee.	9	1	9.00	1.00	
	Thacker, C. H.	O. S.	Louisiana.	7	1	7.00	1.00	
	Vundon, F. C.	Sea.	Kansas.	4	1	4.00	1.00	
	Carroll, J. L.	Sea.	Georgia.	2.5	0.5	2.50	0.50	
	Drake, A. S.	O. S.	West Virginia.	5	0.5	5.00	0.50	
	Foster, G. H.	Sea.	West Virginia.	5	0.5	5.00	0.50	
	Hunter, A. W.	S. a.	West Virginia.	5	0.5	5.00	0.50	
	Peterson, T. V.	Sea.	Georgia.	2.5	0.5	2.50	0.50	
	Smith, E. F.	Sea.	West Virginia.	5	0.5	5.00	0.50	
	Atkins, W. E.	Sea.	Georgia.	0.5	0	0.50	.00	
	Bosland, P.	O. S.	Kansas.	7	0	7.00	.00	
	Crandall, D. M.	Cox.	Maryland.	13.5	0	13.50	.00	
	Doran, R. T.	Sea.	South Dakota.	3	0	3.00	.00	
	Eddens, S. J.	Sea.	North Dakota.	4	0	4.00	.00	
	Ghimienti, G. J.	O. S.	Idaho.	4	0	4.00	.00	
	Johnston, E. B.	Sea.	Maryland.	13.5	0	13.50	.00	
	Kirkpatrick, L. S.	Sea.	Albany.	4	0	4.00	.00	
	Laskon, W. F.	Sea.	Louisiana.	7	0	7.00	.00	
	Moore, T.	O. S.	Kansas.	7	0	7.00	.00	
	Rambo, B.	Sea.	South Dakota.	6	0	6.00	.00	
	Reeves, J. F.	Sea.	do.	4	0	4.00	.00	
	Shryver, E. L.	Sea.	Albany.	4	0	4.00	.00	
	Upright, E.	Cox.	Mississippi.	8	0	8.00	.00	
	Walters, J. C.	Cox.	North Dakota.	6	0	6.00	.00	
	Weber, W. B.	Sea.	Georgia.	0.5	0	0.50	.00	
	Coll.							
	Winchell, L. E.	Sea.	Nebraska.	322	210	322	210	
	Allen, W. G.	Sea.	do.	358	204	358	204	
	Mason, J. T.	O. S.	Monterey.	250	195	250	195	
	Lisk, W. J.	Sea.	Nebraska.	312	194	312	194	
	MacLaughlin, S.	B. M. 1c.	Georgia.	298.5	125	298.5	125	
	Oden, E.	Sea.	do.	298.5	125	298.5	125	
	Dahl.	Sea.	do.	250	105	273	119	
	Trotta, J. J.	Sea.	do.	277	111	277	111	
	Meeks, H.	Sea.	do.	306	107	306	107	
	Mitchell, H.	Sea.	Albany.	472	189	236	94.5	
	Schrivier, E. L.	O. S.	do.	472	189	236	94.5	
	Stankewitz, F.	Pvt.	Kansas.	500	177	250	88.5	
	Anderson, N.	Pvt.	do.	500	160	250	80	
	Rollman, J. J.	Sea.	New Hampshire.	250	39	500	78	
	Carson, H.	Pvt.	Kansas.	500	125	250	62.5	
	Halloran, P. J.	Sea.	Louisiana.	261	61	261	61	
	Bennett, S.	Sea.	Kansas.	500	106	250	53	
	Murphy, P. L.	O. S.	Vicksburg.	245	75	314.7	47.9	
	Strong, A. E.	Sea.	do.	248	75	314.7	47.9	
	Arnold, R. A.	Cox.	Albany.	326	79	163	39.5	
	Mull, H.	Sea.	do.	326	79	163	39.5	
	Pugh, R. L.	Pvt.	Connecticut.	275	39.5	275	39.5	
	Setterholm, C. J.	Pvt.	do.	527	39.5	275	39.5	
	Potter, W. N.	Pvt.	Montana.	250	36	250	36	
	Perkins, L. H.	Pvt.	Connecticut.	275	35	275	35	

STANDING OF POINTERS—Continued.

Stand- ing.	Name.	Rate.	Vessel.	Shots.	Hits.	Score per gun per minute.	
						Shots,	Hits.
	Colt—Continued.						
	Randle, W. M.	Pvt.	Connecticut.	275	35	275	35
	Harbin, J.	Sea.	Virginia.	120	34	120	34
	Ryan, J. F.	Sea.	do.	120	34	120	34
	Heffner.	Sea.	Vermont.	375	64	189	32
	Vossmeier.	Sea.	do.	375	64	189	32
	Gilmore, J. E.	Pvt.	Tennessee.	240	30	240	30
	Pendleton, H. M.	Pvt.	Montana.	250	30	250	30
	Smith, G. E.	Pvt.	Minnesota.	277	30	277	30
	Sutherland, F.	Pvt.	do.	277	30	277	30
	Venable, G. M.	Pvt.	Montana.	250	30	250	30
	Zajicek, J. F.	Pvt.	Tennessee.	240	30	240	30
	Hazlett, B.	Pvt.	Montana.	250	28	250	28
	Bridgeford, E. C.	Cox.	Rhode Island.	144.5	27	144.5	27
	Grissing, H.	Cox.	Louisiana.	261	27	261	27
	Rubach, F.	Sea.	Rhode Island.	144.5	27	144.5	27
	Gasser, C.	Sea.	New Hampshire.	250	53	125.5	26.5
	Beltendorf, J. H.	Pvt.	Montana.	250	26	250	26
	Kennedy, J. D.	Sea.	Georgia.	284	25.5	284	25.5
	Spith, A. J.	Sea.	do.	284	25.5	284	25.5
	Spencer, J. H.	Pvt.	Montana.	190	10	456	24
	Boone, V. G.	Sea.	Princeton.	150	23.5	150	23.5
	Oliver, O.	O. S.	Princeton.	150	23.5	150	23.5
	Hockman, H. A.	Cox.	Minnesota.	246.5	22.5	246.5	22.5
	Hott, F. A.	Cox.	do.	246.5	22.5	246.5	22.5
	Foulke, J. W.	O. S.	Monterey.	250	22	250	22
	Schuman, W. A.	O. S.	Minnesota.	250	21.5	250	21.5
	Wardrup, R. C.	Sea.	do.	250	21.5	250	21.5
	Augustine, F. G.	Pvt.	Tennessee.	200	20	200	20
	Bowles, C. E.	Pvt.	Montana.	250	20	250	20
	Gleich, P.	Cox.	Tennessee.	300	20	300	20
	Johnson, W. R.	Pvt.	do.	200	20	200	20
	Lovelace, J. T.	Sea.	do.	300	20	300	20
	Baum, E. W.	Sea.	Idaho.	250	18.5	250	18.5
	Pascoe, F. A.	O. S.	do.	250	18.5	250	18.5
	Betmarik, A.	Sea.	South Dakota.	173	17	173	17
	Joy, A. T.	O. S.	Vermont.	250	34	125	17
	McVay, H. J.	Sea.	South Dakota.	173	17	173	17
	Wilson, H. D.	Sea.	do.	250	34	125	17
	Anderson, W.	O. S.	Idaho.	250	15.5	250	15.5
	King, T.	Cox.	do.	250	15.5	250	15.5
	Blackmer, W. R.	O. S.	Louisiana.	141	15	141	15
	Berley, W. R.	O. S.	Princeton.	96.5	15.5	96.5	15.0
	Griffin, R. G.	O. S.	Princeton.	96.5	15.5	96.5	15.0
	Beeman, S. P.	Cox.	West Virginia.	243	14	243	14
	Deering, V. W.	Ptr. 2c.	Yorktown.	250	14	250	14
	Johnson, I. H.	Sea.	West Virginia.	243	14	243	14
	Payne, J. E.	Cox.	South Dakota.	250	14	250	14
	Williams, T. S.	Sea.	South Dakota.	250	14	250	14
	Harris, E. H.	Cox.	Maryland.	139	12.5	139	12.5
	Robson, L. J.	Sea.	do.	139	12.5	139	12.5
	McVay, H. S.	Sea.	South Dakota.	250	12	250	12
	Henderson, F. M.	Sea.	Virginia.	190	11	190	11
	Clapp, E. E.	Pvt.	Minnesota.	248	10.5	248	10.5
	Young, A. F.	Pvt.	do.	248	10.5	248	10.5
	Apperson, C. L.	Sea.	Virginia.	190	10	190	10
	Bulkley, M. E.	O. S.	Monterey.	250	10	250	10
	Gardner, J. J.	O. S.	Louisiana.	141	9	141	9
	McAllister, W.	Sea.	Tennessee.	75	9	75	9
	O'Grady, P.	Cox.	do.	75	9	75	9
	Lipkey, F. W.	Pvt.	South Dakota.	82.5	7.5	82.5	7.5
	Rodgers, L.	Pvt.	do.	82.5	7.5	82.5	7.5
	Whitfield, C. W.	Sea.	West Virginia.	235	7.5	235	7.5
	Worford, C. T.	Sea.	do.	235	7.5	235	7.5
	Boyer, H. J.	O. S.	New Hampshire.	250	4	428.5	7
	Cotter, S. F.	O. S.	Monterey.	250	7	250	7
	Drone, T. R.	C. M. 3c.	Yorktown.	200	7	200	7
	McCoffrey, H. F.	Sea.	South Dakota.	300	7	300	7
	Nelson, C. E.	B. M. 2c.	Vicksburg.	249	14	233.3	6.72
	Zigler, E. L.	Sea.	do.	237	14	233.3	6.72
	Cruiser, W.	Sea.	Colorado.	185	12	92.5	6
	Paschke, A. O.	Cox.	do.	185	12	92.5	6
	Rafferty, C. J.	Sea.	South Dakota.	250	6	250	6
	Everson, P. J.	Sea.	Rhode Island.	28	5.5	28	5.5
	Ruhl, J. A.	Sea.	do.	28	5.5	28	5.5
	Doran, R. J.	Sea.	South Dakota.	328.5	5	328.5	5
	Noll, R. D.	O. S.	do.	328.5	5	328.5	5

STANDING OF POINTERS—Continued.

Stand- ing.	Name.	Rate.	Vessel.	Shots.	Hits.	Score per gun per minute.	
						Shots.	Hits.
	<i>Colt—Continued.</i>						
	Scott, J.	Sea.	Mississippi.....	100	5	100	5
	Geagan, H. R.	Sea.	Colorado.....	245	8	122.5	4
	Johnson, C. D.	O. S.	do.....	376	8	188	4
	Mitchell, A. H.	Sea.	do.....	148	8	74	4
	Mull, R. F.	Sea.	do.....	245	8	122.5	4
	Rankin, A. R.	Sea.	do.....	376	8	188	4
	Schnider, H. G.	Sea.	do.....	148	8	174	4
	Cross, T. J.	Pvt.	Minnesota.....	12	3	12	3
	Hildebrand, W. L.	Sea.	Albany.....	150	2.5	150	2.5
	Nemeck, L.	B. M. 2c.	do.....	200	2.5	200	2.5
	Dunsford, W. A.	Sea.	Mississippi.....	72	2	72	2
	Mitchell, H.	Sea.	Albany.....	100	2	100	2
	Mull, H.	Sea.	do.....	125	2	125	2
	Dixon, R. R.	Cox.	Maryland.....	68.5	1	68.5	1
	Silkett, J. E.	Sea.	do.....	68.5	1	68.5	1
	Bloom, R.	Pvt.	South Dakota.....	250	0	250	0
	Demeri, P.	Sea.	do.....	300	0	300	0
	Grove, W. G.	M. A. A. 1c.	Yorktown.....	55	0	55	0
	McCaffery, J.	Sea.	Mississippi.....	136	0	136	0
	Muxworthy, R.	Pvt.	South Dakota.....	200	0	200	0
	Robinson, D. D.	S. C. 2c.	Yorktown.....	56	0	56	0
	Travis, F.	Pvt.	South Dakota.....	100	0	100	0
	Wendtbandt, O. E.	Sea.	Mississippi.....	150	0	150	0
	Wheeler, C. S.	Pvt.	South Dakota.....	200	0	200	0
	<i>Gatling.</i>						
	Riley, H. A.	B. M. 2c.	Tennessee.....	220	15	220	15
	Spencer, W. H.	Sea.	do.....	220	15	220	15
	Hellwig, C. H.	Cox.	do.....	65	5	65	5
	McGurk, J. L.	Sea.	do.....	65	5	65	5

Collective firing.

STANDING OF COMPANIES.

Standing.	Com- pany.	Vessel.	Hits per man.								Final merit, 100= standard.
			First squad.	Second squad.	Third squad.	Fourth squad.	Fifth squad.	Sixth squad.	Average in squads.	Company.	
1	First....	Chester.....	{Volley.... 18.8	15.6	19.4	11.7	15.2	21.1	16.96	3.75	84.97
			{At will.... 59.8	58.0	56.2	33.8	55.3	65.2	54.7	9.56	
2	Second....	do.....	{Volley.... 17.9	17.2	20.1	13.3	14.3	20.8	13.3	3.81	79.77
			{At will.... 58.0	56.8	57.7	32.7	57.2	62.2	54.1	8.56	
3	First....	Vicksburg....	{Volley.... 5.66	7.30	5.66	9.11	.....	.....	6.93	1.87	32.53
			{At will.... 19.3	16.3	18.2	21.0	.....	.....	18.7	5.03	
4	First....	Albany.....	{Volley.... 3.6	5.6	4.75	3.25	3.5	6.6	4.55	1.13	24.37
			{At will.... 17.0	14.5	16.9	18.5	12.5	14.75	15.69	3.0	
5	Second....	Des Moines....	{Volley.... 6.6	6.2	5.2	3.6	4.1	6.8	5.4	1.07	20.47
			{At will.... 15.5	11.4	13.0	7.3	13.6	13.0	12.3	1.7	
6	First....	do.....	{Volley.... 7.3	7.3	7.3	4.8	5.3	7.0	6.5	.98	20.28
			{At will.... 12.5	12.8	14.1	10.3	8.6	10.7	11.5	1.3	

Armed boat crews.

STANDING OF BOAT CREWS.

Standing.	Vessel.	Boat.	Number of men firing.	Number of shots fired.	Number of hits made.	Per cent of hits.	Range (yards).	Remarks.
1	New Hampshire..	First cutter.....	25	233	35	15	550	4 knots: Smooth sea; volley firing broad off bow to one point abaft beam.
2	Kansas.....	First and second cutters.	120	1,000	176	17.60	350	Speed 6 knots; sea smooth; firing at will at targets approximately abeam.
3	.....do.....	First, second, and third sailers.	162	1,000	197	19.70	350	Do.
4	New Hampshire...	Second whaleboat.	25	246	60	24.4	650	3.5 knots: Smooth sea; volley firing from one point forward of beam to one point abaft beam.
5	.....do.....	Second cutter.....	25	248	71	28.6	650.	Do.
6	.....do.....	First whaleboat...	23	240	80	33.33	400	4 knots: Smooth sea; volley firing from port bow to port beam and from starboard beam to starboard quarter.

REMARKS ON PRACTICE.

Atlantic fleet—Rear Admiral Schroeder.—The report of the executive officer of the small-arms range, including his recommendations, procedure, and the scores of teams competing in the Auckland cup (officers) and Atlantic Fleet match (men) is approved.

The following data is published for the information of the fleet regarding the small-arms firing at Guantanamo.

Number of men required to fire.....	9, 056
Number on board who fired through course.....	8, 014

Classifications were as follows:

Fourth class.....	977
Third class.....	1, 495
Second class.....	1, 845
First class.....	1, 482
Marksmen.....	1, 394
Sharpshooters.....	87
Expert riflemen.....	124

The following vessels fired through the course:

Connecticut.	Dixie.	Mississippi.
Michigan.	Tennessee.	Idaho.
North Dakota.	North Carolina.	Georgia.
Louisiana.	Montana.	Nebraska.
Kansas.	Minnesota.	Rhode Island.
New Hampshire.	Vermont.	Virginia.

The *Michigan* arrived but a few days before the departure of the fleet from Guantanamo Bay and had a very brief period in which to carry on the small-arms firing.

Teams from the fifth division were ordered to fire a match on February 10 and 11, as the dates set for the early departure of those vessels would prevent their taking part at the times set for the teams from the battleships.

The firing by the officers and men of the armored cruisers was very creditable considering the limited time given them for preparation. The *North Carolina* was the only vessel except the *Dixie* that fired with Krag rifles; this was the first small-arms practice conducted by *North Carolina* since commissioning.

Atlantic fleet—Lieut. Commander T. L. Johnson.—I landed at 8.15 a. m., January 17, 1911, and took charge of the range as executive officer. At the same time there were landed from the ships of the fleet 5 midshipmen, who took up their quarters in the officers' club, and 39 enlisted men with their bags, hammocks, and mess gear, who were encamped near the range barracks. Sufficient galley accommodations were found in the barracks for the additional men, and their mess tables were set up on the barracks porch. The rates of the men landed were as follows: Seven electricians; 8 carpenter's mates; 1 boatswain's mate, second class; 2 coxswains; 14 seamen or ordinary seamen; 1 plumber and fitter; 1 yeoman; 2 ship's cooks; 2 mess attendants; 1 officer's cook.

Lieut. M. H. Simons, United States Navy, the range officer, reported to me as assistant executive officer and turned over the following force: One electrical gunner; 1 gunner; 5 carpenter's mates; 7 electricians; 3 ordinary seamen; 1 machinist's mate; 1 plumber and fitter; 1 noncommissioned officer; and 5 privates, United States Marine Corps; 1 ship's cook; 1 gunner's mate. The two parties were combined and assigned stations as follows:

Two hundred yard range and pistol butts, Midshipman Porter in charge: Three carpenter's mates; 1 boatswain's mate, second class; 4 seamen.

Three hundred yard and 500 yard butts, Midshipman P. B. Haines in charge: Three carpenter's mates; 1 coxswain; 4 seamen.

Six hundred yard and 1,000 yard butts, Midshipman W. S. Nicholas in charge: Three carpenter's mates; 1 coxswain; 2 seamen.

Skirmish field and grounds, Midshipman J. P. Edgerly in charge: Three carpenter's mates; 2 plumbers; 2 seamen.

Electrical department, Gunner T. C. Wester in charge: One chief electrician; 14 electricians.

Laborers and stables, Gunner H. A. Davis.

Commissary officer, Midshipman J. W. Bunkley.

Patrol: One noncommissioned officer; 5 privates.

Target storehouse, 1 gunner's mate.

Two ordinary seamen were detailed as messmen.

One ordinary seaman was detailed to the range steamer, which was short handed.

Eight carts, mules, and drivers were employed for range and camp use.

One each was assigned to the four butt parties; one to the grounds for police duties; two to camp when regiments were encamped; two to handling forage and stable work.

Four ponies, property of the range, and two private ponies were employed constantly by the range officers in the proper performance of their duties.

Other employees consisted of one laborer, acting as clerk; two blacksmiths; two stablemen.

The 17th was employed in establishing camp in the forenoon and in instructing the parties in the afternoon.

The following routine was established:

Permanent range party:

All hands, 5 a. m.

Repair parties at stations, 6 a. m.

Commence firing, 8 a. m.

Breakfast, repair parties leave stations, 8 a. m.

Dinner, 11.30 a. m.

Cease firing, 12.

Repair parties at stations, 12.

Commence firing; repair parties return, 2 p. m.

Cease firing; repair parties at stations, 4.30 p. m.

Repair parties return at sunset.

Supper, 6 p. m.

Lights out, 9.30 p. m.

Teamsters:

6 a. m. to 9 a. m.

11.30 a. m. to 2 p. m.

3.30 p. m. to 6 p. m.

On the morning of the 18th stations were manned and everything tested and seen ready for firing.

Owing to the efforts of Lieut. Simons and his assistants, the range was found absolutely ready for firing. Targets were on, all material ready in the pits, the electrical system in perfect working order, and everything clean, so that the only preliminary duties of the party landing were to learn the range and their individual billets.

The regiment from the fourth division having landed on the morning of January 18, firing was begun at 2 p. m. of that date, and it continued daily, except Sundays, thereafter.

The same system of procedure on the range as used by the fleet in 1910 was continued with few minor changes. For one battalion the following targets were found sufficient: Three each at 25 and 50 yards pistol, five each at 200, 300, and 500 yards, rifle. When additional men were landed from the ship to join those in camp additional targets were assigned when asked for.

During battle-plan periods when no regiments were encamped and squads were landed from ships, trouble was experienced from lack of officers, as the ships could not spare the officers for range work while carrying on other exercises.

Efforts were made to have one ship score and mark for another, and with few exceptions this was accomplished, although it is not required by the regulation.

There was only one case of false marking noted.

At "Cease firing" both morning and afternoon, officers in charge of firing lines were required to march their firing squads and scorers to the rear of the central tunnel, where companies were formed, arms inspected, and then the companies or squads marched to camp under the command of an officer.

Pit parties, after policing pits, were marched to the rear of the firing line and thence to camp by the pit officers.

The policing of the range at first caused more trouble than the firing details. The trouble was eventually overcome and the range kept in a satisfactory condition by a system of sentries to prevent straggling from firing line to canteen during firing hours and by a police detail of 10 men and a petty officer from the regiment in camp, and 1 man for police duties from every rifle team using the range. This police party not only kept the entire range in a clean and sanitary condition but also at 4 p. m.

was mustered at the firing line, which they policed after the firing parties withdrew, and when requested they swept the tunnels and pits. At 8 a. m. a round of all latrines was made. They were kept clean and in a sanitary condition by the free use of lime.

The grove of trees to the rear of the 500-yard range was used as a lunch ground for squads remaining on the range during noon recess. These squads were at first allowed to use the shelter houses for lunching, but they abused the privilege and it was withdrawn.

SAFETY REGULATIONS.

The following safety orders were enforced:

- (1) Men not on the firing line kept bolts open.
- (2) No pointing of pieces allowed behind firing line.
- (3) At the end of a string a man's piece was inspected before he left the firing line.
- (4) At the end of skirmish runs skirmishers were assembled and pieces inspected.
- (5) At formation of squads or companies after "Cease firing" pieces were inspected.
- (6) No firearms, except officers' side arms, were allowed in pits.

ACCIDENTS.

One man slightly cut on chest and two contusions from pebbles off the top of a butt.

MATÉRIEL.

The range officer was embarrassed by the late arrival of target frames and marker staves, as these did not come until some time after the arrival of the fleet.

Makeshift "D" and "N" (Army) targets had to be used throughout the season, as there were none on the range.

The 50 barrels of billposter paste furnished lasted two-fifths of the season. Thereafter flour paste was made. The latter is satisfactory in this dry climate, and if condemned flour could be used for it the cost would be less than the billposter paste.

MATCHES.

On February 11 and 12 teams of the *Tennessee*, *North Carolina*, and *Montana* held a match; the scores of the officers' teams to count on the Auckland cup competition; those of the enlisted men to count on the Atlantic Fleet match. In addition, the men shot for a money prize of \$5 per man per ship, winner to take 60 per cent, second to take 40 per cent. The scores for this match are appended. By using two targets at a range for each team, these matches were completed in one and one-half days.

On March 3 and 4 the Atlantic Fleet match was held with teams from 13 ships competing, and on the 5th the Auckland cup match was shot.

The scores for the above are appended.

The preparation for the Atlantic Fleet match was the most thorough and gave to the service about 250 expert marksmen. Most of the teams were on the range daily throughout the season, and as nearly every team captain was an experienced marksman much useful information was imparted to the enlisted men.

IMPROVEMENTS.

(1) In order to separate entirely the slow fire from the skirmish, and thus enable each to be carried on at the same time, it is recommended that the skirmish field now in use to the southward of the main range be graded and a butt containing not less than 30 targets on carriers be built.

(2) In order to provide sufficient 1,000-yard targets for the use of rifle teams and for qualification as expert riflemen, the construction of a new butt to contain nine targets is recommended. This new butt to be stepped up and a prolongation to the northward of the present 1,000-yard butt.

(3) In order to provide a straight channel into landing No. 1, it is recommended that a channel 10 feet deep and 50 feet wide be dug across the coral reef to the southward of the end of Deer Point. The length of the cut would not be over 50 feet. This would provide a straight channel from the landing to deep water.

(4) It is earnestly recommended that an electric-light and power plant be installed. This plant to be of sufficient capacity to light dwellings, office, and barracks on the range, the buildings on the camp site, the officers' club house, street lights, docks, and buoys, and furnish current for telephone and buzzer systems.

The lighting of buildings by electricity is desirable, not only on account of comfort of the occupants, but also as a protection against fire.

For the telephone and buzzer systems, a small dynamotor should be installed.

In case this plant be installed, a gyro-testing house could be built.

Estimates for such a plant have already been submitted by the range officer.

A set of telephones and buzzers is recommended for the pistol butts.

A set of single-stroke 8-inch gongs, energized by dry cells, is recommended for the proposed skirmish butt.

Colorado—*Capt. W. A. Gill*.—Referring to the report of target practice with small arms, 3-inch field pieces, and boat guns of this vessel forwarded this date, I have to report that these practices were a source of very valuable instruction to the officers and men of this vessel, who all took a keen interest in them.

The information found in the reports will be valuable to other vessels using the same ranges.

Colorado—*Lieut. Bertholf*.—Upon request, authority was received to use the Marine Corps rifle range, Kitsap County, Wash. Bids were sent out for the transportation of bedding, provisions, etc., to and from the range, and the Port Orchard Transfer Co. was awarded the contract, a copy of which is as follows:

NAVY YARD, PUGET SOUND, WASH., April 4, 1911.

GENTLEMEN: You are advised that your bid of April 3, 1911, for services as indicated below, has been accepted:

Two-horse rig without driver, round trip, one day.....	\$4. 00
One-horse rig without driver, round trip, one day.....	3. 00
One-horse rig with driver, round trip, one day.....	4. 00
Wagon with load not more than 2,400 pounds, one way, per trip.....	7. 00
Wagon with load not more than 2,400 pounds, two ways, per trip.....	10. 00
Single riding horse with forage, per day.....	2. 00
Single riding horse, without forage, round trip, one-half day.....	1. 50

The above to be used between the city of Port Orchard and marine rifle range, Camp Nicholson.

Very truly, yours,

G. P. DYER,

Paymaster, United States Navy.

The PORT ORCHARD TRANSFER CO.,

N. R. KEMP, MANAGER, Port Orchard, Wash.

After inspecting the camp, the necessary material was assembled, and on April 5, 1911, the following working party, Gunner C. W. A. Campbell, United States Navy, in charge, was sent out to the range to prepare it for the firing parties: 1 chief gunner's mate, 3 gunner's mates, 3 seamen, 1 ship's cook, 1 carpenter's mate, 2 electricians, 1 hospital apprentice.

This working party repaired the butts, telephone lines, storehouses, cook house, dug sinks, pumped out and cleaned well, installed pump, installed a wireless sending and receiving station, installed a buzzer system between the butts and firing lines, and in other ways put the range in first-class condition. This work was completed by April 10, 1911, but as the following two days were rainy, the first firing party was not sent out until April 13, 1911. The men were sent out, at first, 40 at a time, the divisional officers accompanying their division, together with the junior divisional officer. The men walked to the range, a distance of about 8 miles, and carried with them a rifle, belt, canteen, and haversack. Their bedding and provisions were transported by wagon. With the first firing party a permanent camp detail was sent, consisting of the following men: 1 chief gunner's mate, 1 chief master-at-arms, 3 gunner's mates, 1 wireless electrician, 1 cook, 1 striker for cook, 3 seamen, 5 good shots for instruction on firing line, 1 hospital apprentice.

In addition to the above, Ensign W. F. Gresham, United States Navy, was sent out as range officer, and Assistant Surgeon A. B. Hayword, United States Navy, as medical officer.

The range detail kept the range in order, cleaned the camp and range, looked out for the ammunition; one gunner's mate was detailed for the rifle butts, and one for the pistol butts; and the three seamen were placed in the rifle butts. Each divisional officer detailed enough men to assist the range officer in keeping the range, and detailed the sentry, who notified the butts whenever a wagon came along the road. This latter precaution was taken on account of the fact that the wagon road near the range is parallel to it for a distance of about a mile, and stray bullets have crossed the road at times.

The permanent detail were quartered in the storehouse and cookhouse, the range officer and medical officer each in a tent, and the firing party and divisional officers in tents.

The following instructions were rigidly adhered to, and the result was that there was not a single case of sickness during the entire firing period of about seven weeks and a half:

All water used must be boiled first.

Woodwork part of sinks must be scrubbed daily.

Lime and soil put in sinks twice daily.

Holes for refuse sprinkled with lime and soil daily.

All washing to be done at a distance from the cookhouse and well and on the slope from both these places.

All waste water to be thrown in the above direction.

During the first three weeks, the nights were somewhat cold and coal-oil stoves were provided, each man allowed one gallon for three days, limiting the use of the stoves to about an hour or two each evening before turning in.

4. The buzzer system mentioned above consisted of a buzzer at each target and a telephone jack for each target at each firing point. The operation was as follows:

When a man firing at any one target started a string, the man stationed at the jack put in his plug, which caused the buzzer to ring at his target, thereby informing the marker that his target was being fired at. Although a telephone was installed between the butts and each firing point, it was used very seldom, as the buzzers were quicker, and a great deal of time was saved.

The telephone system consisted of one party line with the following telephones:

In butts, at sentry box, at firing line, and in cookhouse.

The telephone used at the firing line was a portable one, carried back or forward as the firing point was shifted, and hooked up each time.

The wireless set was not satisfactory at first, on account of our coil being too small. The navy yard loaned us the *Chattanooga's* coil and condenser, and from that time on the ship was in communication at all times with the range, but as storage batteries were used no messages but official messages were sent.

The instructors detailed at the firing point were of good service not only to the new men but to the old men as well, since the new Springfield rifle was used and the rifles had only been on board ship for about two weeks. Each man was carefully instructed regarding the rifle and sights, etc., and I believe that the men did remarkably well considering that they had never fired with this new rifle and considering that there is an allowance per man for rifle practice. At next small-arm target practice I expect a much better showing.

In general, I would say that this rifle range is a desirable one in every particular. Besides being a splendid range, it is handier and better than any range for miles around. I recommend that this vessel, at each yearly visit to the Puget Sound Navy Yard, hold its practice at this range if permission can be obtained.

Colorado—Ensign Gresham.—The U. S. S. *Colorado* held small-arm target practice at the marine rifle range, 9 miles south of Port Orchard, Wash., from April 11, 1911, to May 27, 1911. The practice was successful in every detail.

The sanitary condition of the camp was excellent. There was not a single case of sickness, except three men who were sick before they left the ship. These men were sent back to the ship as soon as they arrived at the camp.

All the men, except the permanent detail, were quartered in tents. There were tents enough to accommodate 42 men. The permanent detail was quartered in the armory and the cookhouse, the gunner's mates in the armory, and the remainder of the detail in the cookhouse. There is an upstairs to the cookhouse, where 15 men could be comfortably quartered in case the tents should be overrun. There was an oil stove (obtained from marine barracks) for each tent, which made the tents very comfortable. One of these stoves holds about three-fourths of a gallon, which had to last three days.

The pit is a four-target pit, which makes it impossible to fire on but one range at a time. In addition to the telephone from the firing line to the pit there is a buzzer system. This system does away with all unnecessary talking over the phone. If it were desired to have a certain target marked, all that was necessary was to plug in at the firing line the number of the target. The telephone line extended about 1 mile behind the butts to a sentry box. A man was kept stationed at this sentry box at all times during the firing to warn passers-by. The county road curves in behind the butts, which makes it necessary to cease firing when anyone is passing.

A wireless outfit was improvised, by means of which the camp and the ship were able to communicate with each other. On the days a shift of men was made a wireless message was sent to the ship, giving the time the men would leave the camp. At the same time the men left the camp another detail left the ship. This proved to be an excellent scheme, as very little time was lost. It took three days for each detail of 42 men to complete the firing.

The permanent detail was sent to the camp several days before the firing was begun. During this time everything was cleaned up and the camp gotten into shipshape.

The water is obtained from a well, and all drinking water from this well must be boiled.

New Hampshire—*Capt. T. S. Rodgers*.—Every effort was made to put the men required to take it through the subtarget gun course, but owing to the limited time available and preference being given to the men of the gun division, four (4) officers and twenty-eight (28) men who fired on the range did not previously complete the subtarget gun course. Enthusiastic interest in this small-arms target practice was shown by the officers and men, and it is requested that those who qualified on the range, despite not having completed the subtarget gun course, be counted in figuring the *ship's efficiency percentage*, in which case percentage "A"—37.34 would be the ship's score. All the men who fired without having previously completed the subtarget gun course are in the powder, torpedo, and pay divisions. Authority is requested to enter on the respective enlistment records of the above-mentioned 28 men the qualifications each made in range firing.

Georgia—*Lieut. Commander A. J. Hepburn*.—The battalion landed, with the other battalions of the Fourth Division, at 10 a. m., Wednesday, January 18, and at 2 p. m. the same day camp had been established on Deer Point and the men were firing on the range. On Tuesday, January 24, at 2 p. m., camp was broken and the battalion returned to the ship. Counting out Saturday afternoon and all day Sunday, during which there was no firing, only four and one-half days were available to complete the firing not only of the landing force but also of over 250 men still remaining on board, but who are required to engage in range practice. On Friday evening eight officers of the battalion were withdrawn until Sunday morning in order to act as umpires and observers during the full-power steaming trials of the ships. Under these conditions, it is needless to say, no results comparable to those obtained at previous practices were to be hoped for, but those achieved are considered creditable, under the circumstances. After the return to the ship every opportunity to send men on shore for further practice was availed of, even at the expense of much interference with the preparations for admiral's inspection, which was then underway. Range firing the practically concluded on February 4, with the exception of men and officers in training for the rifle teams, who were on shore almost daily up to the date of the match, March 3.

The routine established by the Executive Officer of the Range was excellently planned, and ran smoothly. The limited time in camp made it necessary to utilize the afternoon periods for firing, though the results obtained, so far as instruction of the men is concerned, do not seem to me commensurate with the expenditure of time and vitality. The principal advantage derived from it was familiarizing a large number of rather green men with the working of the rifle and actual shooting conditions.

Weather conditions were normal for this place and season, the usual breeze springing up between 10 and 11 o'clock in the morning and continuing until sunset made shooting in the afternoon very difficult.

Chester—*Commander B. C. Decker*.—Insufficient time to permit of all men required to fire. The firing was carried out by the first and second landing forces of the ship. This accounts for the discrepancy between the number that completed the firing and the number required that did not fire on account of the duty of the ship; it was not practicable to carry this practice out continuously.

COMPETITIONS.

Atlantic Fleet match.

1. U. S. S. <i>Nebraska</i>	11, 447
2. U. S. S. <i>New Hampshire</i>	11, 306
3. U. S. S. <i>Minnesota</i>	11, 284
4. U. S. S. <i>Louisiana</i>	11, 043
5. U. S. S. <i>Georgia</i>	11, 043
6. U. S. S. <i>Mississippi</i>	10, 960
7. U. S. S. <i>North Dakota</i>	10, 954
8. U. S. S. <i>Kansas</i>	10, 860
9. U. S. S. <i>Rhode Island</i>	10, 820
10. U. S. S. <i>Idaho</i>	10, 727
11. U. S. S. <i>Virginia</i>	10, 690
12. U. S. S. <i>Vermont</i>	10, 453
13. U. S. S. <i>Connecticut</i>	10, 115
14. U. S. S. <i>Montana</i>	9, 016
15. U. S. S. <i>Tennessee</i>	8, 212
16. U. S. S. <i>North Carolina</i>	8, 077

Thirteen teams competed in the match on March 3 and 4, the armored cruisers having been given a special match on February 10 and 11 for special prizes and with the understanding that their scores should be entered with the others in deciding standing in the fleet.

Prize money was distributed as follows:

<i>Nebraska</i> , first prize.....	\$390
<i>New Hampshire</i> , second prize.....	195
<i>Minnesota</i> , third prize.....	117
<i>Louisiana</i> and <i>Georgia</i> , tied for fourth prize, each.....	39

Auckland Cup match.

1. U. S. S. <i>Virginia</i>	2,577
2. U. S. S. <i>Georgia</i>	2,514
3. U. S. S. <i>Kansas</i>	2,464
4. U. S. S. <i>Mississippi</i>	2,454
5. U. S. S. <i>Connecticut</i>	2,437
6. U. S. S. <i>Montana</i>	2,434
7. U. S. S. <i>Idaho</i>	2,426
8. U. S. S. <i>Nebraska</i>	2,414
9. U. S. S. <i>Minnesota</i>	2,408
10. U. S. S. <i>Vermont</i>	2,403
11. U. S. S. <i>Michigan</i>	2,398
12. U. S. S. <i>Tennessee</i>	2,386
13. U. S. S. <i>New Hampshire</i>	2,363
14. U. S. S. <i>Rhode Island</i>	2,353
15. U. S. S. <i>Louisiana</i>	2,298
16. U. S. S. <i>North Dakota</i>	2,239
17. U. S. S. <i>North Carolina</i>	2,233

Competed for by 14 battleships on March 5; teams from the 3 armored cruisers fired on February 11, with the understanding that their scores should count in competition for the cup.

NAVY RIFLE TEAM.

Lieut. I. F. Dortch.—Report of the Navy rifle team, 1911.

The program for this year was as follows: All candidates were ordered to report at Annapolis, Md., about May 15, 1911, to have eyes examined and shooting glasses ordered.

On June 5, 36 men and officers reported at Wakefield Mass., and immediately encamped on the New England Military Rifle Association range.

Practice was carried on here until July 3, when the New England matches commenced.

A Navy representative won first place in nearly every individual match, and the Navy team won the all-America team match, defeating the next team by 116 points.

On July 15, the squad, now reduced to 24 shooting men, was moved to Camp Perry, Ohio.

Practice here was very satisfactory and the team improved regularly.

The national rifle matches commenced August 14, and the Navy made a good start by winning the first match—the enlisted men's team match. This match was for teams of six enlisted men from the Army, Navy, Marine Corps, and National Guard. Nineteen teams were entered in this match.

The next team match was the Herrick trophy. Ohio took first place, all members of the team using telescopic sights. Navy came second, using the service rifle and sight. Thirty-three teams competed in this match.

The national team match started August 28.

At the end of the first stage Navy was fifth, 8 points behind the leaders, the United States Marine Corps.

At the end of the next stage 200-yard rapid fire, Navy stood second, 4 points behind the United States Infantry.

After the 600 and 1,000 yard ranges were completed Navy had dropped to fourth place, 25 points behind the Infantry, who still held first place.

To go into the skirmish the first four teams stood as follows: (1) United States Infantry, 2,118; (2) Massachusetts, 2,098; (3) United States Marine Corps, 2,095; (4) United States Navy, 2,093.

We hoped to pass our opponents on the skirmish, as we were particularly strong there. However, our skirmish was not up to standard, and we finished in third place.

The final standing was as follows: (1) United States Marine Corps, 3,180; (2) United States Infantry, 3,118; (3) United States Navy, 3,113; (4) Massachusetts, 3,101.

The following day came the united service match. This is a new match, being competed for the first time this year.

The conditions are similar to the national match, except that there are four teams of 20 men each; also the 200-yard slow fire is omitted.

The four teams are as follows: One team represents the Army of the United States; one team represents the Navy of the United States; one team represents the Marine Corps of the United States; one team represents the combined National Guard of the United States.

The final standing in this match was: (1) United States Navy, 4,263; (2) National Guard, 4,217; (3) United States Army, 4,109; (4) United States Marine Corps, 3,861.

The Navy skirmished 102 points higher than the next team.

In the individual matches the Navy was well represented, winning places in all of them.

Chief Turret Captain E. D. Myrick, U. S. S. *Connecticut*, won the national revolver match with the excellent score of 416. There were 134 entries.

Below is a list of the members of the team and their scores in the national match:

Name.	200 yards.	200 yards rapid fire.	600 yards.	1,000 yards.	Skirmish.	Total.
Smith, W. W., ensign	45	45	46	39	77	253
Lang, E. K., midshipman	40	47	46	42	87	262
Allen, E. G., ensign	42	46	47	44	73	252
Farley, L. C., lieutenant	45	48	40	38	84	255
Giffen, R. C., ensign	43	46	44	33	87	253
Eigenman, J. S., coxswain	39	50	45	43	91	268
Vossler, F. A. L., ensign	40	41	46	38	92	257
Ogan, J. V., lieutenant	42	46	46	43	92	269
Amsden, W. F., ensign	41	46	43	45	77	252
Sprout, W. A., hospital steward	42	46	45	46	81	260
Knerr, H. J., ensign	42	48	45	44	89	268
Wierbowski, J. S., quartermaster first class.	42	43	45	44	90	264
	504	552	538	499	1,020	3,113

Forty-two teams entered this match.

THREE-INCH FIELD PIECES.

Albany—*Commander C. S. Williams*.—Action of fuses, erratic. Range for field gun practice, 1,250 yards. Poor score of 3-inch field gun due to poor spotting. Spotting was difficult, due to weather.

Colorado—*Ensign F. J. Wille*.—Two artillery sections from the second division with a chief gunner's mate and a hospital apprentice, first class, a total of 56 men, Ensign F. J. Wille, and Midshipman P. H. Marion, in charge, embarked on Sunday, May 21, 1911, at 1.15 p. m., and landed at Port Orchard, from which point a start was made at 2 p. m.

Munson's March was reached at 6.30 p. m., being about 9 miles out, and the roads were rough with long heavy grades in several places, besides being very soft in the low places, due to almost daily rain for the preceding three weeks. The bedding, tentage, and provisions were transported by wagon.

Camp was pitched immediately upon arriving by making two long tents from seven tent flies secured together in each line, while one tent fly was used for Midshipman Marion and myself.

The practice was started at 8 a. m., May 22, and was finished at 11 a. m., and was carried out in accordance with "Corrections 1910" to the landing force and small-arm instructions.

Owing to underbrush, it was difficult to spot from the firing point, but Midshipman Marion observed from a point about 100 yards abreast the target, where trees afforded shelter, and obtained data as to position of projectile when fuse functioned and fuse action. There were no casualties either to personnel or ordnance. The fuses were very erratic.

Camp was broken and the return started at 1 p. m., arriving at Port Orchard at 4 p. m.

California—*Lieut. G. W. Steele*.—The practice was as good as could be expected under the circumstances. As in the case of the recent small-arms practice, we were hampered by lack of time.

These guns naturally suffer in comparison with the performance of guns mounted on shipboard, as they are essentially a cruder weapon. The jump seemed to be excessive at each discharge. Both wheels lifted 6 to 8 inches off the ground and fell back in a different place. As the spade was deeply embedded and was stationary, the gun crew had to lift the carriage over in line with the spade and target before the next round. There was no time limit for the string.

California—*Ensign J. B. Rhodes*.—Target practice with the 3-inch field guns of this ship was commenced yesterday, August 31, 1911, and finished to-day. Two pointers fired at each gun according to the report of scores, submitted herewith. The first day's scores were average, the second day's poor. The target was laid out on ranges previously selected from the chart. The range was too short in both cases.

Both guns are in poor condition, lost motion in the gearing and inaccurate and loose sighting gear. The times of flight as shown on the sight bar do not correspond to the ranges as shown by the range table. It is believed that the sight bar is not properly marked and that the range 450 yards as shown by sight bar is really about 700 yards in actual distance, as shown by the time of flight, explosion of fuses, and measurement of the range. The sight setting for the rifles also shows the same difference.

The poor showing on the second day was undoubtedly due to the fact that the target was reduced in area by being blown nearly over at times. The vertical motion of the target in the "choppy sea" also caused several misses.

After the three trial shots had been fired from the second gun on August 31, 1911, the first shot of the first pointer's string struck the raft and damaged it beyond repair. This necessitated postponing the practice and resulted in the loss of the three trial shots. The practice was resumed this morning, the first pointer firing 4 shots with the fuse at safety and 5 with it set to explode. One of these shots was wasted on account of the error in the initial range 850 when it should have been 650, another misfired the first time and the pulling of the lanyard threw the gun off in deflection; the pointer did not sight the piece again but fired immediately and threw the shot away. I am at a loss to account for the 4 misses of the second pointer as the observers in the boat (at right angles to the line of fire) observed the shots at 50-150 over (all within the danger space).

It is believed that a land range could be set up, firing in the same general direction (WSW.). This would avoid delay with the target raft in the choppy sea and would expedite the practice. The raft used was not large enough to support the target properly in a fresh breeze, and if field guns are to be fired over the water at Mare Island, I would suggest that a larger raft be constructed and kept here at the yard, as it would be too large for ordinary weather conditions, such as obtained at San Diego, and impracticable to carry on board ship.

Connecticut—*Capt. W. R. Rush*.—Three defective fuses. All fuses exploded at shorter settings than actual range.

Louisiana—*Capt. A. G. Winterhalter*.—The ammunition was mixed, part of it being Bethlehem 12-second fuses and part of Frankford Arsenal 15-second fuses. The Frankford Arsenal fuses were used with the first piece that fired and the Bethlehem were used with the other pieces. In all there were fired 46 rounds of 3-inch shrapnel and 600 rounds of .30 caliber rifle ammunition.

Maryland—*Ensign C. W. Crosse*.—The 3-inch fieldpiece practice was held at Coronado Beach, Cal., on March 15, 1911. Two fieldpieces were fired at a floating target 8 feet by 12 feet 9 inches, moored offshore a distance of between 800 and 900 yards.

Although the range, as laid out by the ordnance officer, was approximately 800 yards the sight-bar ranges of both pieces ran from 450 to 550 yards. The first trial shot, sight at 625, fell over 200; second trial shot, sight 500, fell 100 over, and third shot, sight at 425, hit at lower right-hand corner of bull's-eye. Deflection was perfect at all times. Supports and reserves fired with rifle sights set at 700 yards.

In addition to the carrying out of the prescribed field-gun practice, most successful and instructive results were obtained in an attempt to assimilate in the minutest details the landing and management of the 3-inch field piece under actual conditions of war. A complete artillery section consisting only of those men, who, in the landing force bill of the ship, are assigned to the artillery branch of the ship's battalion, was landed with piece; and the details of landing, firing, and the subsequent return of the piece to the ship were carried out by these men.

The action of one of the pieces was very unsatisfactory in that, due to its not having been properly overhauled on board, a considerable amount of lost motion, both in elevating and training, was experienced; and as result of a weak recoil spring, after each shot it was necessary to depress the gun to extreme depression and run it back "in battery" by hand. In the case of both guns it was necessary to respade after each shot, owing to the fact that the firing was done on a dry, sandy beach which served as very poor holding ground.

An accurate record of times was rendered impossible due to the following causes: Necessity of respading after each shot, as noted above, (2) carrying away of target screen in four instances, and (3) necessity of continually having to cease firing on account of passing boats.

The ammunition used was shrapnel, Sweet fuse, and on the whole worked very satisfactorily. In two instances out of the 20 shots fired "at safety" the shell exploded; in two instances out of the 20 shots fired, with fuses set for time, premature explosions took place; and in one instance there was delayed explosion. Fuses were set at 1.4 and 1.6 seconds for all firing.

Minnesota—*Capt. W. S. Sims*.—Fuses set for various times ranging from $2\frac{1}{4}$ to 1 second. Two burst as expected, two very short, two after striking ground, and the rest never burst.

Montana—*Lieut. Commander C. B. Price*.—The ammunition did not fit the gun in that it was about 3 inches too short, and in order to seat the shell it was necessary to break down the cartridges and turn them into separate ammunition. One cartridge had only half charge of powder and was not used, this leaving only 2 trial shots. The actual range appeared to be about 1,000 yards, and rifle sights were set at that. The time of flight for the 3 inch taken with a stop watch was about $2\frac{3}{4}$ seconds. In the first string of shrapnel the fuse was set at $2\frac{1}{4}$ seconds, and the second shot burst apparently behind the target and was the only one of the 5 which did burst. The second string was fired with fuses set for first 3 shots at $1\frac{1}{2}$ seconds and for last 2 shots at 1 second. The final shot burst about halfway to the target and 12 shrapnel holes were found in the target. In the previous 9 shots only 1 had burst at all and that was apparently behind the target, although set for an interval that was less than the time of flight. The divisional officer believed that the time element of the fuse did not function properly, hence the short interval of 1 second which was used in this string. In the third string the fuse was set at $1\frac{1}{2}$ seconds, only the last 2 shots bursting, each being about 400 yards short of the target. In the fourth string $1\frac{1}{2}$ seconds was used and the shot burst about 50 to 100 yards short, except the first 2, which were about 250 yards short. All 5 in this string burst. All shots were timed with a stop watch and those that did burst were within two-fifths of a second of the time set, but sometimes in excess and sometimes less. Of the 20 shots fired with the time fuse set only 9 exploded.

Pennsylvania—*Ensign Lafrenz*.—Target practice was held with the 3-inch field guns of the U. S. S. *Pennsylvania* on August 25, 1911. The practice was conducted at Munsons Marsh, a place inland about $6\frac{1}{4}$ miles from a point opposite and toward head of bay from the navy yard.

Both Frankford Arsenal and Bethlehem ammunition was used. Only Frankford Arsenal ammunition was used for shrapnel, in order to have only one kind. The fuses were very erratic. Several failed to explode and others cut for the same time exploded anywhere from 300 yards in front of the target to 50 yards behind the target. Some of the Frankford Arsenal ammunition did not properly fit the gun.

There were no hangfires or misfires.

The target was about 8 feet above the gun, so as to be well clear of the brush.

Tennessee—*Capt. H. S. Knapp*.—Fuses, Frankford Arsenal, 15 seconds, were very erratic; were set from $\frac{1}{4}$ second to 3 seconds.

Vermont—*Capt. W. McClean*.—Two fuses did not work.

BOAT GUNS.

Albany—*Commander C. S. Williams*.—Sea choppy, making boat-gun practice strings (Colt gun) slowed by defective ammunition.

Colorado—*Ensign O. St. A. Botsford*.—The guns fired were two 1-pounder and four Colt's automatics; and the boats used were one steam launch, two sailing launches, and one cutter. There was a choppy sea and throughout the practice the wind was abeam with a force of "3." The target was set up ashore and the runs made in accordance with instructions, "Landing force and small arms."

A jam occurred on Colts automatic No. 327 due to cartridge being slightly out of place in belt, and with one Colts automatic No. 235 there were five misfires. Aside from these exceptions, everything functioned properly throughout the practice.

California—*Ensign K. L. Hill*.—Boat-gun practice was held in San Pablo Bay. The guns were mounted in the bow of the first steam launch and fired by crews from the second, third, and fourth divisions of the deck force. Those guns are regularly mounted in steam launches.

Weather, cloudy; sea, slightly choppy; wind, blowing across range with about force 3, which blowing against the tide caused the choppiness.

The mounts and guns functioned well, except the firing mechanism of No. 761. After almost every load on this gun, the firing pin was eased down as the bolt closed, necessitating the recocking of the piece. This materially slowed down the rate of fire.

With the sight mounted as at present, the pointer is very much interfered with by the plugman, who performs his operations between the pointer and the sight.

Colorado—*Capt. W. A. Gill*.—Sea choppy, wind on the beam, force "3." Firing was done at the regulation target erected on the beach on Ediz Hook Spit, Port Angeles, Wash. Five misfires gun No. 235, one jam gun No. 327, cartridge slightly out of place in belt. Everything else functioned properly.

Georgia—*Capt. W. L. Rodgers*.—Smooth water, calm. After fifth shot, first run, deck of steamer lifted and firing was discontinued. Gun jammed after shot of second run, second steamer.

Georgia—*Lieut. Commander A. J. Hepburn*.—The boat guns were fired on February 24—two 1-pounders and two Colt automatics. Both the 1-pounder runs were interrupted by casualties; but the automatic guns worked perfectly, and one of them made the remarkable record of 250 hits out of 587 shots fired. Other forms of supplementary practice were prevented by lack of time.

Idaho—*Capt. H. O. Dunn*.—The Colt ammunition having been packed in 1904 was very poor, bullets jamming in the shells, and about 30 per cent of the shells split in the belt.

Idaho—*Lieut. H. W. Osterhaus*.—Strings broken by poor ammunition. One gun failed to work perfectly, and the fault was thought to lie in the firing pin; but after shifting the firing pin the gun worked about the same.

The ammunition, from all appearances, was very poor. About 30 per cent of the cartridges were noticed to be split while in the belt, and a number of the bullets were jammed down in the shell. As this ammunition was packed in 1904, there is every reason to believe that a certain amount of deterioration has taken place during that time. In fact the action of the ammunition went to prove such is the case.

Maryland—*Ensign W. L. Calhoun*.—One-pounder guns were mounted on the bow of the steam launch on the cage mount. We steamed toward the target at a speed of about 4 knots and opened fire at 800 yards. Fire continued two minutes, pointers changed at the end of one minute. Due to the fact that no training had been given pointers and that the old style open sights were used, I think the scores made were remarkable. The officer controlling the fire sat on the top of the steam launch canopy. There were no misfires or hangfires. One shot tumbled shortly after leaving muzzle and burst during flight before reaching target. Guns and mounts functioned well. Behavior of personnel, excellent.

Maryland—*Ensign W. C. I. Stiles*.—One-pounder boat gun practice took place in San Pablo Bay. The guns were mounted in a cage stand fitted in the bow of a sailing launch. The target was anchored at a distance of about 850 yards from the range buoy. Fire was opened upon passing the range buoy, the boat proceeding under oars in the direction of the target.

All ordnance material functioned perfectly, there being no misfires, hangfires, or other casualties.

The behavior of the personnel was excellent, but the pointers were handicapped by the fact that they had no preliminary training, and by a short choppy beam sea.

Maryland—*Midshipman J. W. Gates*.—The Colt guns were mounted on the bow of the sailing launch on a cage mount. We rowed toward the target at a speed of about 3 knots and opened fire between 850 and 800 yards. Fire continued on the first string for 1 minute, then pointers changed. After firing for about 15 seconds a cartridge case split, jamming the gun and stopped the fire. The cartridge case was removed, but not in time to continue the string.

The second gun was mounted in place of the first gun and another run started. Fire continued for about 20 seconds, at the end of which time the gun jammed, due to a bullet having been pulled out of the cartridge case. The jam necessitates taking the gun apart, thereby stopping the fire.

The action of the gun was good and the firing fair, considering the motion of the sailing launch. The choppy sea caused a roll of about 7 to 10 degrees to be given to the boat.

The jams in each case were due to faulty ammunition. The ammunition used was dated 1903.

I strongly recommend that the belts containing the Colt ammunition be broken up and the shells used for rifle practice after they have been in the belts for four years. Considering the purpose for which a Colt gun is used, in my opinion the ammunition should be the very latest obtainable.

Nebraska—*Capt. J. T. Newton*.—Colt's auto gun No. 103 refused to work; teeth belt feed were too blunt.

North Dakota—*Capt. A. Gleaves*.—The sea was calm and the air clear. Every cartridge except four missed fire at least once, some twice.

Tennessee—*Capt. H. S. Knapp*.—Firing at target on raft moored near shore. Sea smooth. Best results were obtained by steaming slowly toward target.

Vicksburg—*Ensign Purnell*.—Practice held at entrance to San Diego Harbor. Sea smooth. Weather clear with light airs from direction of target. No casualties on one-pounders. Several jams with Colts, none five seconds duration.



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